

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

☐

Surface Water

(Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)

☒

Ground Water

(Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

PRIORITY DATE November 6, 2000	APPLICATION NUMBER G2-29958	PERMIT NUMBER	CERTIFICATE NUMBER
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NAME Bronson Country Beach Club			
ADDRESS (STREET) 4325 119th Avenue SE	(CITY) Tenino	(STATE) Washington	(ZIP CODE) 98589

PUBLIC WATERS TO BE APPROPRIATED

SOURCE 2 Wells
TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE 150	MAXIMUM ACRE FEET PER YEAR 44*
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QUANTITY, TYPE OF USE, PERIOD OF USE 44 Acre-feet per year	Multiple domestic supply	Year-round, as needed
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*This water right is supplemental to WRC #117944.

LOCATION OF DIVERSION/WITHDRAWAL

APPROXIMATE LOCATION OF DIVERSION--WITHDRAWAL 650 feet South and 1250 feet East of the center of Section 32.

LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) NW¼ SE¼	SECTION 32	TOWNSHIP N. 17	RANGE, (E. OR W.) W.M. 1W	W.R.I.A. 13	COUNTY Thurston
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RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
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LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Area served by the Bronson Country Beach Club Water System as described in their August 2000, located within the Southeast quarter of Section 32, T. 17 N., R. 1 W.W.M.

DESCRIPTION OF PROPOSED WORKS

Two wells, 8-inch casing to 171 feet and 177 feet deep.

DEVELOPMENT SCHEDULE

BEGIN PROJECT BY THIS DATE: Started	COMPLETE PROJECT BY THIS DATE: December 1, 2002	WATER PUT TO FULL USE BY THIS DATE: December 1, 2006
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REPORT

BACKGROUND:

On November 6, 2000 Daniel Howard, on behalf of the Bronson Country Beach Club, applied to the Department of Ecology (Ecology) for a permit to appropriate public ground water from a well at a rate of 250 gallons per minute (gpm) for multiple domestic supply. The site is located next to Offut Lake within the Deschutes River Water Resource Inventory Area (WRIA 13). The application number is G2-29958.

A legal notice of the proposed appropriation was published, and no protests were received.

On September 21, 2000 the Department of Ecology received a letter from Bill Liechty of the Washington Department of Health requesting that the application be considered for expedited review. The Department of Health is concerned that the existing source, a 15-foot deep dug well, is posing an acute health risk to the residents of the community. The water supply has been plagued by fecal coliform bacteria contamination and the system is in need of a new source.

Based on my investigation, and the provisions of Chapters 90.03 and 90.44 RCW, I recommend the issuance of a water right permit.

INVESTIGATION:

In consideration of this application I reviewed the information submitted with the application, area well logs, historical documentation on the pre-code use of the water system, photographs, applicable geological reports, and the Bronson Beach Club water system plan. On November 5, 2001, I met with Daniel Howard on the site.

The Bronson Country Beach Club is located on Offut Lake, five miles northeast of Tenino in Thurston County. The area is rural in nature, with residential development concentrated around the lake. Offut Lake Road bounds the service area to the south and Offut Lake to the north. The service area is approximately 190 acres and includes 121 platted lots. However, since single owners own multiple lots, it is anticipated that the development will contain 99 hook-ups at full build out.

The topography within the service area slopes moderately from Offut Lake at an elevation of 230 feet to an elevation of 275 feet above mean sea level near Offut Lake Road.

The existing Bronson Country Beach Club water system was constructed in 1970 and 1971 to serve the Bronson Country development. The water system consists of the original 15-foot dug well with three well pumps, three chlorinators, two 300-gallon pressure storage tanks and the distribution system. The water system currently serves 72 single-family residential connections.

The well that is currently being used is a dug well approximately 15 feet deep and about 8 feet in diameter. The well is located 50 feet from the lakeshore at an elevation of only 3 feet above normal lake level. This well is housed in a small red pumphouse, along with the distribution and treatment equipment. Once the new wells are brought on line, the old well will be decommissioned.

Existing Water Rights

Withdrawals from the current well are authorized under ground water claim #117944. This claim lists the date of first putting water to beneficial use as 1914 when the well was constructed to serve the original Bronson Resort. Given the documentation regarding the pre-code historical use of this source, it is likely that this claim represents a vested water right. However, this claim has not been adjudicated, and only the formal legal process can confirm the existence and extent of a pre-code water right.

The quantities claimed on the 1972 filing were 100 gpm, and 840 acre-feet – of which 100 acre-feet were represented as actually being used. The purpose of use was listed as “domestic”. Water supplied the needs of the Bronson Resort.

The Bronson Resort was opened in May of 1915 and operated for five decades until its closure in 1969 to make way for the current residential development. The Bronson Resort was a favorite destination for the Seattle/Portland area, and thousands of visitors made the trip to enjoy the extensive facilities which included a large dance hall, ice cream parlor, recreational cabins, tent camping sites, bathhouses and swimming facilities. It is plausible that as much as 100 acre-feet could have actually been used, especially given the peak summer use.

New Wells

While drilling records for the area indicate the presence of a water-bearing layer at a fairly shallow depth, the subject wells were drilled to a greater depth to reduce the risk of contamination. Two wells were constructed on the site in July of 2001. Well 1 (AGH 139) is 171 feet deep, and Well 2 (AGH 140) is 177 feet deep. The wells are located about 6 feet apart, and are located immediately adjacent to the existing pumphouse. Both of the wells were constructed with an 8-inch casing and are completed in fractured bedrock.

While the wells are fairly productive given the aquifer material – fractured shale and blue basalt, the water quality in the wells is poor (sodium and chloride), and will need to be treated. The wells were pump tested and it was determined that combined, they can produce no more than 150 gpm.

Impacts to Surface Water

Chapter 173-513 WAC establishes an instream resources protection program for the Deschutes River basin (Water Resource Inventory Area WRIA 13). The WAC closes the upper reaches of the Deschutes River (above the falls) year-round and the lower reach mid-April through October 1, and establishes minimum instream flow requirements for the lower reach of the river for the remainder of the year.

Report Continued

Ecology's watershed assessment for WRIA 13 (OFTR 95-10), includes analyses of flow records for the Deschutes River. For the period of minimum instream flows, the exceedance curves indicate that flows on any given day are "violated" on average more often than once in every ten years. Ecology will not issue additional consumptive water rights in areas of the basin where it is likely that the appropriation will exacerbate already low instream flows.

Offut Lake is spring-fed, and drains northeasterly towards the Deschutes River. The lake measures 192 acres and only 25 feet deep at its maximum point. Given that lake is fed, in part, from ground water, it is likely that water from the shallower water bearing zones discharges directly into Offut Lake as springs.

Water in deeper water-bearing zones, (beneath the till and above the bedrock) follows a more regional gradient, and likely discharges into the Deschutes River at points further downstream. Given the depth of these wells it is unlikely that they will have a direct effect on the amount of water discharging to Offut Lake. In general, the use of these deeper wells, as an alternative to the current use of shallow ground water, should have a lesser effect on the surface water system.

Neighboring Water Users

A review of Ecology's water rights database indicates that only one other water system in the Offut Lake vicinity holds ground water certificates. Certificates 5430 and G2-20304 were issued for the North Offut Lake Water System and authorize a total of 150 gpm, and 47 acre-feet per year for community domestic supply from a 20-foot well. There are numerous ground water claims that have been filed to document domestic wells in the area. A review of the 15 wells that are located within Section 32, Township 17 North, Range 1 W.W.M, indicated that 13 of these areas wells appear to be completed at a depth of less than 60 feet, only two were deeper than 150 feet. It also likely that some of the older homes are connected to wells that, like the original Bronson well, are quite shallow (less than 20 feet in depth), and are hand dug.

Given the sparse distribution of deeper wells in this area it is unlikely that Bronson Beach's use of these wells will impair other water users.

Water Demand

The water needs of the Bronson Country Beach Club should not exceed 400 gallons per day on average. For the 99 hook-ups, an allocation of 44 acre-feet will be needed. The source is currently metered, and Bronson Beach will need to record their water use.

FINDINGS AND CONCLUSION:

1. This well is completed in an aquifer system that discharges to the Deschutes River.
2. Under the provisions of WAC 173-513 Instream flows have been established for the drainage limiting further consumptive appropriations that might constitute impairment.
3. The Bronson Beach Water System currently holds ground water rights in the form of a presumed pre-code vesting water right. Water on the site has been in continuous use.
4. The shift of ground water production from the shallow, hand-dug well to the new 171-foot plus wells will have less of a direct effect on surface water systems within the watershed.
5. This appropriation is for a beneficial use, and will not impair existing rights or be detrimental to public welfare.

RECOMMENDATION:

I recommend that this application be approved and a permit be issued to allow appropriation of 150 gallons per minute from two wells, 44 acre-feet per year for multiple domestic supply. The period of use is year-round as needed.

This permit is subject to the following provisions.

PROVISIONS:

"Nothing in this approval shall be construed as lessening or enlarging any water rights represented by Water Right Claim No. 117944. The water use authorized under this Water Right Claim shall be considered supplemental to any water rights confirmed for said claim as a result of a general adjudication through Superior Court, should adjudication be undertaken."

The water appropriated under this application will be used for public water supply. The State Board of Health rules require public water supply owners to obtain written approval from the Office of Water Supply, Department of Health, 1112 SE Quince Street, PO Box 47890, Olympia, Washington 98504-7890, prior to any new construction or alterations of a public water supply system.

The applicant is advised that the quantity of water allocated by this permit may be reduced at the time of final certification to reflect system capacity and actual usage.

An approved metering device shall be installed and maintained in accordance with RCW 90.03.360, 90.44.450 and WAC 508-64-020 through -040, and WAC 508-12-030. Meter readings shall be recorded at least monthly.

Issuance of this water right is subject to the implementation of the minimum requirements established in the Conservation Planning Requirements, Guideline and Requirements for Public Water Systems Regarding Water Use Reporting, Demand Forecasting Methodology, and Conservation Programs, July 1994, and as revised.

Under RCW 90.03.005 and 90.54.020(6), conservation and improved water use efficiency must be emphasized in the management of the State's water resources, and must be considered as a potential new source of water. Accordingly, as part of the terms of this water right,

Report Continued

the applicant shall prepare and implement a water conservation plan approved by Department of Health. The standards for such a plan may be obtained from either the Department of Health or the Department of Ecology.

The Water Resources Act of 1971, Chapter 90.54 RCW specifies certain criteria regarding utilization and management of the waters of the State in the best public interest. Favorable consideration of this application has been based on sufficient waters available, at least during portions of the year. However, it is pointed out to the applicant that this use of water may be subject to regulation at certain times, based on the necessity to maintain water quantities sufficient for preservation of the natural environment.

Under RCW 90.44.250 and 90.54.030, the Department of Ecology is directed to become informed about all aspects of the water resources of the state. The Department is authorized to make such investigations as may be necessary to determine the location, extent, depth, volume, and flow of all groundwaters within the state. Accordingly, the applicant shall monitor and provide an annual summary of the previous year's monthly water level data and monthly totals of water pumped for this well. The summary shall be submitted in tabular format to Ecology's Southwest Regional Office annually, during the month of February, or more frequently if requested by the Department.

REPORTED BY: Steve Walsh Date: December 27, 2001

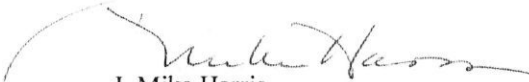
The statutory permit fee for this application is \$20.00.

FINDINGS OF FACT AND DECISION

Upon reviewing the above report, I find all facts, relevant and material to the subject application, have been thoroughly investigated. Furthermore, I find water is available for appropriation and the appropriation as recommended is a beneficial use and will not be detrimental to existing rights or the public welfare.

Therefore, I ORDER a permit be issued under Ground Water Application Number G2-29958, subject to existing rights and indicated provisions, to allow appropriation of public ground water for the amount and uses specified in the foregoing report.

Signed at Olympia, Washington, this 27th day of December, 2001.


J. Mike Harris
Water Resources Supervisor
Southwest Regional Office



ROE Supporting Docs

Document Type Code - 7
(Bar-code C39HrP36DITt, Font 48)



Report of Examination Routing Slip

File No.

Y:Jill/ROE/G229958

Letter No./Fee

EXAM 2

	<u>Initial</u>	<u>Date</u>
Author	<u>JW</u>	<u>11/14/01</u>
Hydrogeologist	<u></u>	<u></u>
Reviewers	<u>Q</u>	<u>11/14/01</u>
	<u>Skh</u>	<u>11/19/2001</u>
Proofed	<u></u>	<u></u>
Signed by Author	<u>JW</u>	<u>12/18/01</u>
Section Supervisors Approval and Sig.	<u></u>	<u></u>
Tracking	<u></u>	<u></u>

Mail Copies of Report To: (Permit Writer list - include addresses)

Enclosure: (list)

Mailed Originals and cc's TH 12/27/01

** WATER RIGHTS APPLICATION TRACKING SYSTEM **
Southwest Regional Office
MAJOR DOCUMENT TABULAR REPORT

CONTROL NUMBER	TYPE/ STAT	BUSINESS/PERSON NAME	PRIORITY DATE	WRIA CODE	COUNTY NAME	ACRE Q1 FT/YR	PURPOSES	TRS	SOURCE	QUAD
S2-*13284ABBCWRIS	CE	HOOKE A H	2/04/55	11	THURSTON	1.50 300.0 ST-IR-		T17N/R02 E-27 T17N/R02 E-28	NISQUALLY RIVER UNNAMED SPRING	SW/4 N/2SE/4
S2-*13592CWRIS	CE	FULTON J	9/14/55	11	PIERCE	.90 40.0 IR-FS-		T17N/R04 E-27 T17N/R04 E-27	TWENTYSEVEN LAKE TWENTYSEVEN LAKE	NE/4SW/4
S2-*13823AUCWRIS	CE	SIMONS R R	4/26/56	11	LEWIS	.01 DS-		T14N/R07 E-06 T14N/R07 E-06	UNNAMED STREAM BIG CREEK	SW/4NE/4
S2-*13873CWRIS	CE	MASON V J	5/28/56	11	THURSTON	.40 80.0 IR-		T16N/R01 E-01 T16N/R01 E-01	UNNAMED POND UNNAMED POND	E/2SW/4 W/2SE/4
S2-*13906CWRIS	CE	BUILDERS BRICK CO	6/06/56	11	PIERCE	.10 CI-		T17N/R04 E-26	TWENTYFIVE MILE C	NE/4SE/4
S2-*13933CWRIS	CE	ENWALL O	6/20/56	11	PIERCE	.40 40.0 IR-		T16N/R03 E-14	KREGER LAKE	SW/4NE/4
S2-*13990CWRIS	CE	HOOKE A H	7/26/56	11	PIERCE	.60 120.0 IR-		T17N/R02 E-21	NISQUALLY RIVER	
S2-*14106CWRIS	CE	LITTLEFIELD T M	10/03/56	11	THURSTON	.09 16.0 ST-IR-		T17N/R01 E-14	THOMPSON CREEK	
S2-*14198C	CE	LONG E A	1/17/57	11	THURSTON	.50 100.0 IR-		T17N/R02 E-34	NISQUALLY RIVER	
S2-*14245CWRIS	CE	HOOKE A H	3/04/57	11	PIERCE	1.00 200.0 IR-		T17N/R02 E-16	UNNAMED SPRING	
S2-*14254CWRIS	CE	VANCLEAVE R	3/06/57	11	PIERCE	.01 DS-		T15N/R07 E-30	UNNAMED SPRING	SE/4NE/4
S2-*14368ALCWRIS	CE	RODY L B	6/13/57	11	PIERCE	.20 40.0 IR-FS-DM-		T17N/R04 E-34 T16N/R04 E-03	UNNAMED SPRING UNNAMED SPRING	S/2SE/4SE/4
S2-*14414CWRIS	CE	DANIELSON J M	7/18/57	11	PIERCE	.01 DS-		T17N/R04 E-26	UNNAMED SPRING	NW/4NE/4SW/4
S2-*14466CWRIS	CE	MCGOWAN M	8/27/57	11	PIERCE	.02 ST-DS-		T17N/R04 E-34	UNNAMED SPRING	NW/4SW/4
S2-*14941CWRIS	CE	GESKOW SAM ET UX	7/28/58	11	PIERCE	.01 DS-		T16N/R04 E-11	UNNAMED STREAM	

Affidavit of Publication

STATE OF WASHINGTON
County of Thurston County
SS.

Legal #3383
STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
NOTICE OF APPLICATION
TO APPROPRIATE
PUBLIC WATERS

TAKE NOTICE:

That Bronson Country Beach Club of Tenino, Washington on November 6, 2000, under Application No. G2-29958 filed for a permit to appropriate public waters, subject to existing rights, from a well in the amount of 250 gallons per minute as needed year round each year for community domestic supply. The source of the proposed appropriation is located within the NW1/4 SE1/4 of Section 32, T. 17 N., R. 1 W.W.M., of Thurston County, Washington. Protests of objections to approval of this application must include a detailed statement of the basis for objections; protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the address show below, within thirty (30) days from December 22, 2000.

Department of Ecology
PO Box 47775
Olympia, Washington
98504-7775

Publish:
December 15, 22, 2000

01 JAN 29 AM 1:39
The undersigned being first duly sworn on oath deposed and says: That she is the Principal Clerk of The Olympian which is a legal newspaper printed and published in the City of Olympia, Thurston County, Washington; of general circulation in said City, County and State;

that the public notice
in the case of application to appropriate public waters
of which the attached is a printed copy, was published in said newspaper:

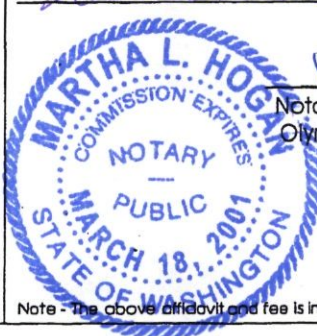
On the 15th day of December 2000
the 22nd day of December 2000
the _____ day of _____ 2000
the _____ day of _____ 2000
the _____ day of _____ 2000
the _____ day of _____ 2000
the _____ day of _____ 2000

that the said newspaper was generally circulated during all of said time, and has been published for more than six months prior to the dates of the publication of this legal document, and that said notice was published in the newspaper proper and not in supplement form.

The amount of fee charged for this publication \$ 135.60

Ruth Richard
Principal Clerk

Subscribed and sworn to me this 22nd day of December 2000.



Martha L. Hogan
Notary Public in and for the State of Washington, residing at Olympia, Thurston County, Washington

The Olympian has been appointed as a legal newspaper by order of the Superior Court of the State of Washington for Thurston County, dated July 10, 1941, in the county in which said newspaper is published in accordance with RCW 65.16.020 and RCW 63.16.040.

Note - The above affidavit and fee is in compliance with RCW 63.16.030 and Sec. 3, Chapter 34, Laws of 1977.

1/25/01

Sheri -

RECEIVED

For any reason you need to contact me,

01 JAN 29 AM 1:19

I am at:

WK# 236-~~4625~~ 4505

Hm# 264-2336

Thank you for your prompt assistance.

Danny Howard, President
Bronson Country Beach Club

1915-1969 - Bronson Resort - Dance Hall 1930

150 total



THURSTON COUNTY
WASHINGTON
SINCE 1852

COUNTY COMMISSIONERS

Judy Wilson
District One

Diane Oberquell
District Two

Dick Nichols
District Three

**PUBLIC HEALTH AND
SOCIAL SERVICES DEPARTMENT**

Patrick M. Libby, Director
Diana T. Yu, MD, MSPH
Health Officer

April 7, 2000

Danny Howard
Bronson Country Beach Club
4325 119th Ave. SE
Tenino, WA 98589

Subject: Geology Near the Bronson Country Beach Club Water System (17N/1W/32)

Dear Mr. Howard:

I did more research into the geology you would likely find under the two well sites you are considering. Based mainly on three well logs and the regional geologic map, I believe that there is a buried ridge of bedrock beneath the Bronson Country Beach Club. This is shown on the map labeled Figure 1. The point labeled "70" is the site of the well log labeled "Well #1", which is close to what I believe is the crest of this ridge. Bedrock was encountered at 70 feet below the ground surface at point "70".

The points marked "168" and "143+" are the locations of wells where bedrock is found at 168 feet and greater than 143 feet. These two well logs show that the ridge appears to be fairly narrow with steep sides.

I believe this buried ridge is the subsurface extension of a north-south trending ridge located just south of Offutt Lake. This is labeled "The ridge" on Figure 2. This hypothesis of a buried ridge is based on the best available information, which is rather limited. But I believe that this is the best explanation for the well data.

If you were to drill a new well on lot #65800300700 (marked "proposed alternate wellsite" on Figure 1), you would probably find geology very similar to that at well #1. Bedrock would probably be slightly deeper than 70 feet. There probably would not be an adequate aquifer between the "clay and gravel" (glacial hardpan, or till) and the underlying bedrock. There is a significant chance that a well drilled at this site would not produce adequate water to supply the needs of your 70+ connections.

Environmental Health Division: 2000 Lakeridge Drive SW, Olympia, Washington 98502-6045 (360) 754-4111
FAX (360) 754-2954 • TDD (360) 754-2933



Recycled Paper

If you drill a new well near your existing dug well on the lake shore ("existing well" on Figure 1), bedrock will probably be found deeper than 70 feet. I believe it will most likely be deeper than 100 feet. At this site you probably will find an adequate aquifer between the till layer and the underlying bedrock.

Well log #2, located west of this site, shows clay layers between 55 and 120 feet. If you do choose to drill at your present site, you should have the driller note the geological materials with particular care and test for water-bearing zones frequently. This site may require very careful development of the well to ensure it has adequate capacity for your needs.

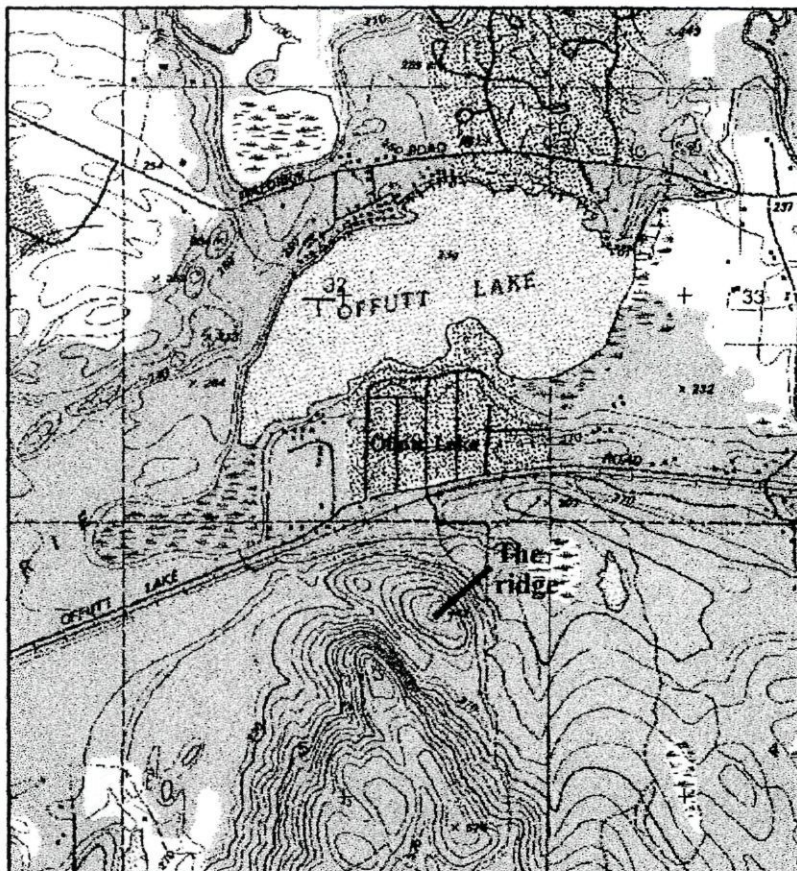
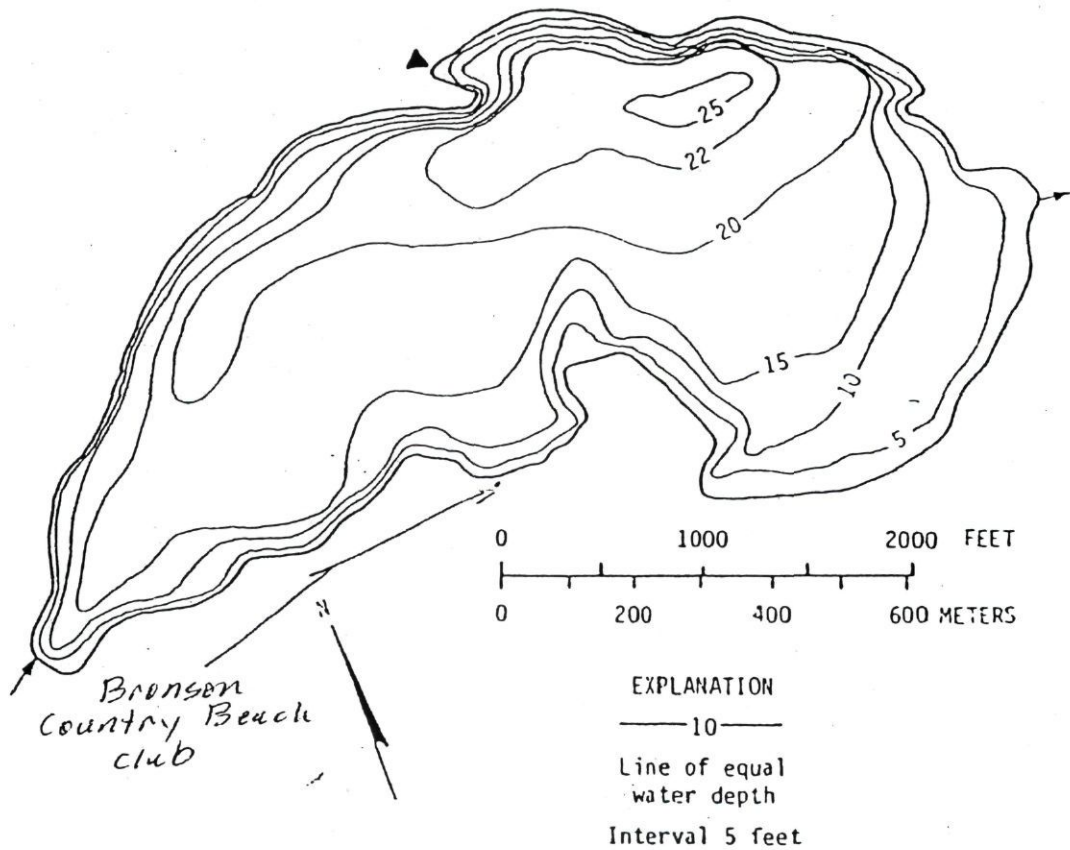
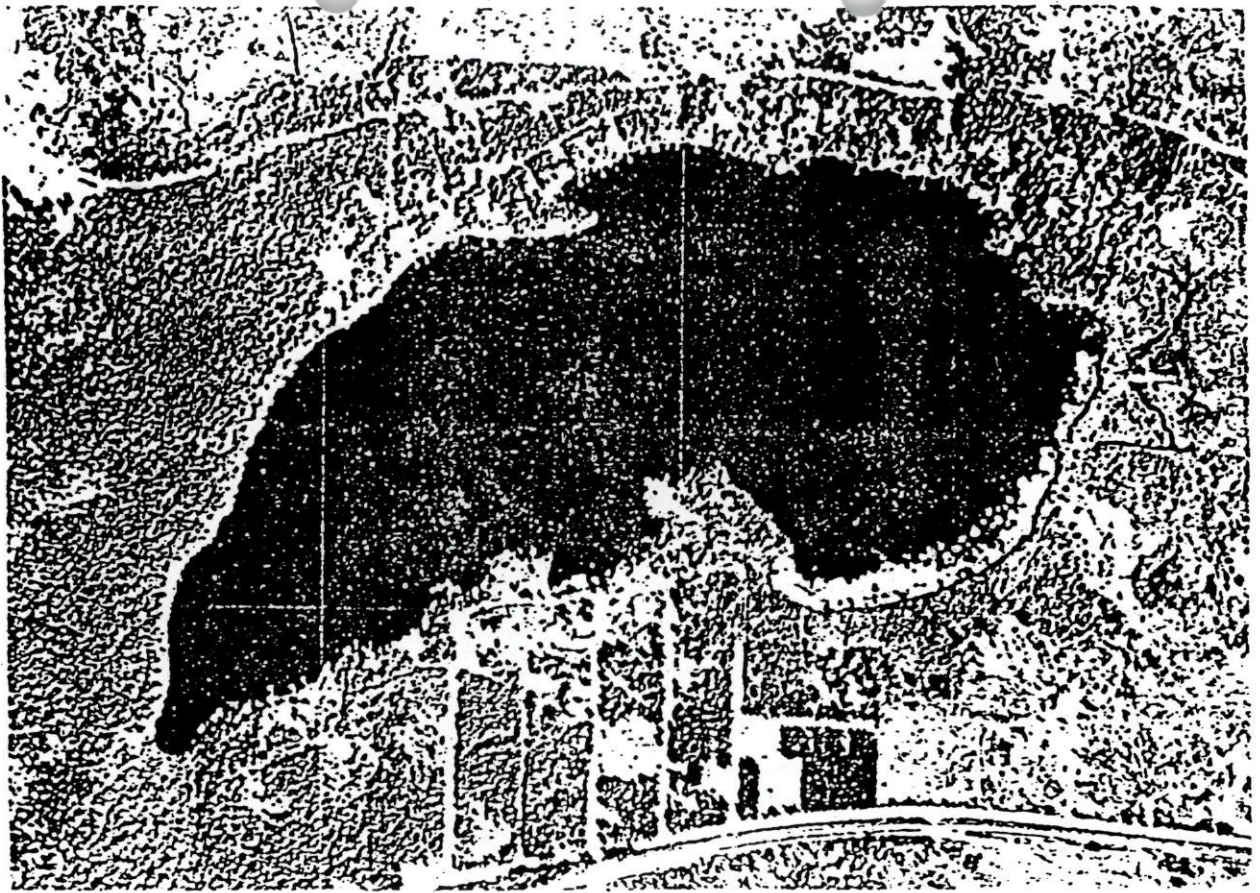


Figure 2 - USGS topographic map of the Offutt Lake area showing the ridge south of Offutt Lake.

Because of the till and clay layers that appear to be present under your present site, a deeper well should not be classified as "ground water under the direct influence of surface water" (GWI). Offutt Lake is very shallow (Figure 3), and a well deeper than 100 feet should draw in water only from the aquifer and not from the lake.

Figure 4 shows what the US Geological Survey has determined about the flow directions in the aquifer between the till and the bedrock (the Vashon advance outwash or Qva). West of the lake where they had adequate data, they show ground water converging toward the lake from the north and south. Based on other information, I believe ground water near your site is mainly flowing northward under the lake. This is another factor that would help keep a new well drilled at your present site from being "ground water under the direct influence of surface water".

A final factor to consider in siting your well is source protection. Your situation is not ideal in that there are a number of septic systems and other potential sources of contamination relatively close to your potential well sites. You should site any new well with extreme care to minimize the chances of contamination. The Department of Health requires a well site inspection before drilling to ensure that the well is adequately protected. Restrictive and protective covenants are



Offutt Lake, Thurston County. Photo taken May 19, 1978.
 Bathymetric map from Washington Department of Game, May 24, 1949.

Figure 3

also required to ensure that no contaminant sources will be introduced into the protective area around the well. This protective area is required to be a minimum of a 100 foot radius around the well, and may be more if conditions require.

Please do not interpret my comments in this letter as a recommendation of a particular course of action or an endorsement of a particular well site. I am trying to provide you with the best available information about your possible courses of action and the likely geological consequences of those actions. I hope all your hard work on this project rewards you with great success.

Please feel free to call me at 754-4111 x 7320 if I can be of any further assistance.

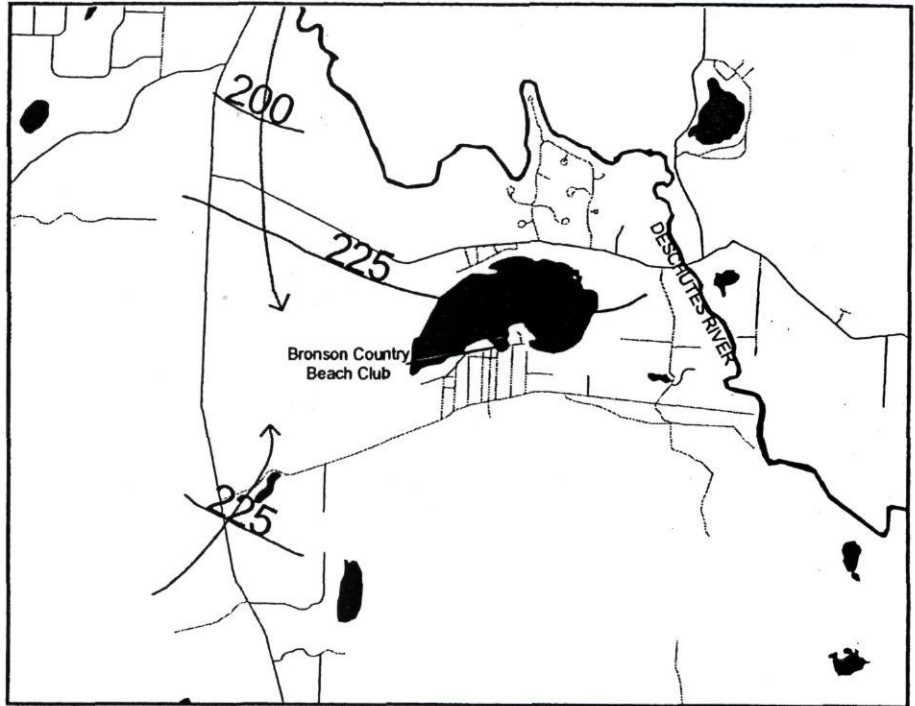


Figure 4 - USGS ground water flow directions near Offutt Lake. Numbers are head elevations in the Qva (feet above sea level).

Sincerely,

Robert Mead
Hydrogeologist

cc: Judy Wilson - Thurston County Commissioner
Phil Brinker, drinking water program

FCY 050-1-20

Listed by USFWS as 17149132 KAH



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STATE OF WASHINGTON
DEPARTMENT OF HEALTH
SOUTHWEST DRINKING WATER OPERATIONS
2411 Pacific Ave. • P.O. Box 47823 • Olympia, Washington 98504-7823
(360) 664-0768 • FAX (360) 664-8058
TDD Relay Service: 1-800-833-6388

September 21, 2000

Mike Harris
Department of Ecology
Southwest Regional Office
PO Box 47775
Olympia, Washington 98504-7775

Dear Mike,

Subject: Bronson Beach Club Water System, ID #08740E, Thurston County; Public Health
Priority for Water Rights Processing

I would like to bring to your attention a drinking water situation, which the Department of Health (Department) believes poses an imminent threat to public health and meets the "Emergency Rule" qualifying criteria defined by WAC 173-152-040 (1) (a). Please consider this letter as the Department's certification that the situation described meets the qualifying criteria.

The Bronson Country Beach Club is a community of 72 largely full-time residences in south Thurston County on south shore of Offutt Lake. The community is served by a dug well, approximately 10-15 feet in depth and located adjacent to the lake. The Department believes this well to be under the influence of surface water and is posing an acute health risk to the residents of the community. The water supply has been plagued by fecal coliform bacteria contamination and is in need of a new source of water.

The community is interested in drilling a new well into a confined aquifer believed to be greater than 100 feet in depth. This well is to be drilled on the existing wellsite. The Department greatly supports the efforts to replace the existing well with a new protected source.

The Department is very interested in finding a solution that can resolve the existing public health risk at Bronson Country Beach Club. If it will aid in the process, Regional Engineer Rich Hoey will be available to attend any meetings you might wish to have with the community or their engineer regarding this issue.



Mike Harris
Page 2
September 21, 2000

We very much appreciate your immediate attention to this situation so that the public health threat can be resolved as soon as possible. I would also appreciate receiving either a written or a verbal response indicating if this situation qualifies for expediting decision making. Please do not hesitate to contact Rich Hoey (360) 586-2510 or me (360) 753-5953 if there are any questions.

Sincerely,

A handwritten signature in cursive script that reads "Bill Liechty".

BILL LIECHTY, P.E.
WSDOH Section Head

cc: Phil Brinker, Thurston County Environmental Health
Rich Hoey, P.E., WSDOH Regional Engineer
Danny Howard, Bronson Country Beach Club
Mike Olden, P.E., Gibbs & Olson, Inc.
Jim Rioux, WSDOH Regional Planner



WATER RIGHT CLAIM

and the other

RECEIVED
DEPARTMENT OF ECOLOGY

JUN 14 74 123932

CASH OTHER NONE

1. NAME Offutt Lake Properties

ADDRESS Bldg. C-10, Fishermen's Terminal

Seattle, Washington ZIP CODE 98119

2. SOURCE FROM WHICH THE RIGHT TO TAKE AND MAKE USE OF WATER IS CLAIMED: Ground water
(SURFACE OR GROUND WATER)

W.R.I.A. 13
(LEAVE BLANK)

A. IF GROUND WATER, THE SOURCE IS a well

B. IF SURFACE WATER, THE SOURCE IS.

3. THE QUANTITIES OF WATER AND TIMES OF USE CLAIMED:

A. QUANTITY OF WATER CLAIMED 100 G.P.M. PRESENTLY USED 100 G.P.M.
(CUBIC FEET PER SECOND OR GALLONS PER MINUTE)

B. ANNUAL QUANTITY CLAIMED 840 PRESENTLY USED 100
(ACRE FEET PER YEAR)

C. IF FOR IRRIGATION, ACRES CLAIMED _____ PRESENTLY IRRIGATED _____

D. TIME(S) DURING EACH YEAR WHEN WATER IS USED: all year

4. DATE OF FIRST PUTTING WATER TO USE: MONTH _____ YEAR 1914

5. LOCATION OF THE POINT(S) OF DIVERSION/WITHDRAWAL: 2,000 FEET north AND 1,400
FEET west FROM THE southeast CORNER OF SECTION 32
BEING WITHIN Gov. Lot 6 OF SECTION 32, T. 17 N., R. 1 W. (E. OR W.) W.M.

IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, LOT _____ BLOCK _____ OF _____

(GIVE NAME OF PLAT OR ADDITION)

6. LEGAL DESCRIPTION OF LANDS ON WHICH THE WATER IS USED: Plats of Offut Lake and Bronson Country

Complete legal description on attached Schedule A

COUNTY Thurston

7. PURPOSE(S) FOR WHICH WATER IS USED: Domestic

8. THE LEGAL DOCTRINE(S) UPON WHICH THE RIGHT OF CLAIM IS BASED: Appropriation

DO NOT USE THIS SPACE

THE FILING OF A STATEMENT OF CLAIM DOES NOT CONSTITUTE AN ADJUDICATION OF ANY CLAIM TO THE RIGHT TO USE OF WATERS AS BETWEEN THE WATER USE CLAIMANT AND THE STATE OR AS BETWEEN ONE OR MORE WATER USE CLAIMANTS AND ANOTHER OR OTHERS. THIS ACKNOWLEDGEMENT CONSTITUTES RECEIPT FOR THE FILING FEE. William J. Vorwerk, Jr., Madeline E. Vor

DATE RETURNED THIS HAS BEEN ASSIGNED

THIS HAS BEEN ASSIGNED TO CIA HERSEY, WILLIAM JOHNSON, JR., 1000 N. W. 17TH AVENUE, SUITE 1000, MIAMI, FLORIDA 33136. FULL NAME AND MAILING ADDRESS OF AGENT BELOW

M. Kinnune, Ben Riva, Virginia, and Venus Investment, Inc. by Pres. Paul J. Zenian

FEB 5 75 11 17 944

I HEREBY SWEAR THAT THE ABOVE INFORMATION IS TRUE AND
ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF
 Offutt Lake Properties By: Richard C.
 X Richard C. Brown Brown, individual
 and as attorney-in-fact for Joan C. Brown,
 co-eds, William Brasier, Gary L. Hersey, Patri-
 ck
 CLAIM FILED BY DESIGNATED REPRESENTATIVE KIMBERLY R. YPK
 FULL NAME AND MAILING ADDRESS OF AGENT BELOW
 ment, Inc. by Pres. Paul J. Zelman
 September 18, 1972

John Biggs



2000 N

1400 W

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

☒ Construction☐ Decommission ORIGINAL CONSTRUCTION

of Intent Number

DRAFTPROPOSED USE: ☐ Domestic ☐ Industrial ☒ Municipal
☐ DeWater ☐ Irrigation ☐ Test Well ☐ OtherTYPE OF WORK: Owner's number of well (if more than one) # 1
☒ New Well ☐ Reconditioned Method: ☐ Dug ☐ Bored ☐ Driven
☐ Deepened ☐ Cable ☒ Rotary ☐ JettedDIMENSIONS: Diameter of well 8 inches, drilled 17.1 ft.
Depth of completed well 17.1 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 8" Diam. from +2 ft. to 8.0 ft.
Installed: ☐ Liner installed " Diam. from ft. to ft.
☐ Threaded " Diam. from ft. to ft.Perforations: ☐ Yes ☒ No

Type of perforator used

SIZE of perfs in. by in. and no. of perfs from ft. to ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location

Manufacturer's Name

Type Model No.

Diam. Slot Size from ft. to ft.

Diam. Slot Size from ft. to ft.

Gravel/Filter packed: ☐ Yes ☒ No ☐ Size of gravel/sand

Materials placed from ft. to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 31 ft.

Materials used in seal Bentonite

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level 450 ft.

Static level 23 ft. below top of well Date 7-10-01

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level.

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal/min. with ft. drawdown after hrs.

Yield: gal/min. with ft. drawdown after hrs.

Yield: gal/min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time Water Level Time Water Level Time Water Level

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CURRENT

Notice of Intent No. W150553

Unique Ecology Well ID Tag No. AGH139

Water Right Permit No.

Property Owner Name Bronson Country Beach Clu

Well Street Address 4122 119th Avenue SE

City Tenino County Thurston

Location NW 1/4 1/4 SE 1/4 Sec 32 Twn 17 N R 1 W EWM circled or one WWM

Lat/Long: Lat Deg Lat Min/Sec

(s, t, r still REQUIRED) Long Deg Long Min/Sec

Tax Parcel No. 11732421700

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. Indicate all water encountered.

(USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown fine-medium sand	0	
gravel, round boulders		9
Brown med. sand, gravel	9	
round wet w/boulders		22
Brown medium to coarse	22	
sand, some gravel-wet		31
Gray clay binder, black	31	
round gravel		46
Brown hard clay	46	52
Brown clay with round	52	
gravel, cobbles		69
Brown shale	69	78
Black shale-wet	78	83
Brown shale	83	89
Gray shale	89	108
Blue-green sandstone	108	112
Blue sticky clay	112	113
Black shale	113	139
Black shale fractured	139	140
Black shale	140	151
Gray, brown shale	151	157
White, gravel sandstone	157	
fractured-wet		163
Black shale	163	167
Black fractured shale	167	
with pyrite-wet		170
Blue basalt, water	170	171

Start Date 7-9-01 Completed Date 7-10-01

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Rogeray Phythian

Drilling Company Arcadia Drilling Inc.

Driller/Engineer/Trainee Signature

Address 170 SE Walker Park Road

Driller or Trainee License No. 2053

City, State, Zip Shelton WA 98584

Contractor's ARCAD1098K1

Registration No. Date 7-11-01

Ecology is an Equal Opportunity Employer. ECY 050-1-20 (Rev 4/01)

If trainee, licensed driller's
Signature and License no.

Southwest Regional Office

WRATS REPORT BY TRS

RESEARCH ON BRONSON BEACH

CONTROL NUMBER	TYPE/ STAT	BUSINESS/PERSON NAME	PRIORITY DATE	WRIA CODE	COUNTY NAME	Q1	ACRE FT/YR	ACRES IRR	DOM UNITS	PURPOSES	SOURCE	TRS	QUAD
G2-111896CL	CL [L]	ARMSTRONG, CARL R	0/0/1970	13	THURSTON					DG	WELL	T17N/R 1W-32	
G2-111897CL	CL [L]	ARMSTRONG, CARL R ET	0/0/1963	13	THURSTON					DG	WELL	T17N/R 1W-32	
G2-158014CL	CL [L]	BRENTIN, WILLIAM J	0/0/1965	13	THURSTON						WELL	T17N/R 1W-32	
S2-158013CL	CL [L]	BRENTIN, WILLIAM J	0/0/1954	13	THURSTON					DG IR	OFFUTT LAKE	T17N/R 1W-32	
G2-087276CL	CL [S]	BRITT, THEO V.		13	THURSTON					DG IR	WELL	T17N/R 1W-32	
S2-087275CL	CL [S]	BRITT, THEO V.		13	THURSTON					DG IR	OFFUTT LAKE	T17N/R 1W-32	
G2-29958	AP	BRONSON COUNTRY BEAC	11/06/2000	13	THURSTON	150.000			98	DM	WELL	T17N/R 1W-32	NW/4SE/4
G2-087185CL	CL [S]	BRONSON, DONALD W.		13	THURSTON					DG IR		T17N/R 1W-32	
G2-013979CL	CL [L]	BURLINGAUME, DONALD	0/0/1938	13	THURSTON					DG		T17N/R 1W-32	
S2-26369CWRIS	CE	EISENMAN M U ET UX,	6/20/83	13	THURSTON	.020	.50			IR	OFFUTT LAKE	T17N/R 1W-32	
S2-300769CL	CL [I]	FARIS, DAVID	0/0/1917	13	THURSTON	0.000	.50	1		IR	OFFUTT LAKE	T17N/R 1W-32	
G2-080561CL	CL [S]	HALLGRIMSON, BENEDIC		13	THURSTON					DG		T17N/R 1W-32	
G2-044476CL	CL [S]	HICKOX, FORREST M.		13	THURSTON					DG		T17N/R 1W-32	
S2-015269CL	CL [L]	HILLS & KEPPERT,	0/0/1952	13	THURSTON							T17N/R 1W-32	
S2-080422CL	CL [L]	HILLS, KENNETH	0/0/1952	13	THURSTON							T17N/R 1W-32	
S2-155800CL	CL [S]	HOWE, VALERIE V		13	THURSTON							T17N/R 1W-32	
G2-062287CL	CL [L]	IMLER, JAMES L.	0/0/1952	13	THURSTON			40		ST IR	LAKE	T17N/R 1W-32	
G2-051534CL	CL [S]	ISOM, CECIL		13	THURSTON					DG		T17N/R 1W-32	
G2-051535CL	CL [S]	ISOM, DELEVA S.		13	THURSTON					DG	WELL	T17N/R 1W-32	
G2-054362CL	CL [S]	JONES, FRED A.		13	THURSTON					DG		T17N/R 1W-32	
G2-069579CL	CL [S]	JORGENSEN, QUAY		13	THURSTON					DG		T17N/R 1W-32	
S2-063035CL	CL [L]	KILDOW, STANLEY	0/0/1917	13	THURSTON					DG ST IR		T17N/R 1W-32	
G2-011706CL	CL [L]	LOVELL, WILLIAM E.	0/0/1898	13	THURSTON					DG	OFFUTT LAKE	T17N/R 1W-32	
G2-049959CL	CL [S]	LUFKIN, HOWARD W.		13	THURSTON					DG		T17N/R 1W-32	
S2-080860CL	CL [S]	MADDEN, ELEANOR S.		13	THURSTON					DG	OFFUTT LAKE	T17N/R 1W-32	
G2-092483CL	CL [S]	MAY, PEARL N		13	THURSTON					DG IR		T17N/R 1W-32	
S2-26687CWRIS	CE	MISHLER LARRY & S,	4/17/85	13	THURSTON	.030	.50			DS	OFFUTT LAKE	T17N/R 1W-32	
G2-101497CL	CL [S]	MURPHY, DENNIS A		13	THURSTON					DG IR		T17N/R 1W-32	
G2-088560CL	CL [S]	NELSON, DAVID P.		13	THURSTON					DG IR	WELL	T17N/R 1W-32	
S2-118400CL	CL [S]	NELSON, JAMES S		13	THURSTON					DG ST	SWAMP	T17N/R 1W-32	
G2-081771CL	CL [L]	NELSON, JAMES S.	0/0/1928	13	THURSTON					DG ST	WELL	T17N/R 1W-32	
G2-*07502CWRIS -05430	CE	NORTH OFFUT LAKE WAT	2/15/65	13	THURSTON	60.000	16.20			DM CI	WELL	T17N/R 1W-32	SE/4NW/4
G2-20304CWRIS	CE	NORTH OFFUT LAKE WAT	6/16/72	13	THURSTON	150.000	47.00			DM	WELL	T17N/R 1W-32	S/2NW/4
G2-29633	AP	OFFUT LAKE RESORT,	4/03/98	13	THURSTON	60.000				DM	WELL	T17N/R 1W-32	

CONTROL NUMBER	TYPE/ STAT	BUSINESS/PERSON NAME	PRIORITY DATE	WRIA CODE	COUNTY NAME	Q1	ACRE FT/YR	ACRES IRR	DOM UNITS	PURPOSES	SOURCE	TRS	QUAD
G2-29633	AP	OFFUTT LAKE RESORT,	4/03/98	13	THURSTON	60.000			DM		WELL	T17N/R 1W-32	
G2-117944CL	CL[L]	OFFUTT LAKE PROPERTI	0/0/1914	13	THURSTON				DG		WELL	T17N/R 1W-32	
G2-090887CL	CL[L]	PERRY, MAX L	0/0/1924	13	THURSTON				DG		WELL	T17N/R 1W-32	
G2-155767CL	CL[L]	PETERS, GEORGE	0/0/1960	13	THURSTON			10	DG		WELLS	T17N/R 1W-32	
G2-080252CL	CL[L]	PAFF, MADELINE	0/0/1964	13	THURSTON				DG		WELL	T17N/R 1W-32	
G2-028334CL	CL[L]	RING, JANICE	0/0/1949	13	THURSTON				DG			T17N/R 1W-32	
G2-104263CL	CL[L]	ROBINSON, KATHERINE	0/0/1965	13	THURSTON				DG		WELL	T17N/R 1W-32	
G2-052633CL	CL[L]	SHEPHEARD, VIVIAN A.	0/0/1971	13	THURSTON				DG		WELL	T17N/R 1W-32	
S2-069325CL	CL[L]	STANNER, DONALD	0/0/1950	13	THURSTON				DG		OFFUTT LAKE	T17N/R 1W-32	
G2-006459CL	CL[L]	STIENER, AUGUST	0/0/1945	13	THURSTON				DG			T17N/R 1W-32	
G2-024418CL	CL[L]	STORM, BEATRICE O.	0/0/1946	13	THURSTON				DG			T17N/R 1W-32	
S2-067665CL	CL[L]	THOMPSON, J. C.	0/0/1910	13	THURSTON				DG	IR	OFFUTT LAKE	T17N/R 1W-32	
S2-21573CWRIS	CE	THUEMLER EVERETT,	10/23/73	13	THURSTON	.010	.50	1	IR		OFFUTT LAKE	T17N/R 1W-32	
G2-22959CWRIS	CE	TURNER GERTRUDE,	7/05/74	13	THURSTON	15.000	2.00		DM		WELL	T17N/R 1W-32	
S2-22958CWRIS	CE	TURNER GERTRUDE,	7/05/74	13	THURSTON	.020	1.00	1	IR		OFFUTT LAKE	T17N/R 1W-32	
G2-005920CL	CL[L]	TYRRELL, EARL L.	0/0/1950	13	THURSTON				DG			T17N/R 1W-32	
G2-064612CL	CL[S]	VIERLING, JAMES H.		13	THURSTON				DG			T17N/R 1W-32	
G2-008520CL	CL[L]	WELLS, FRANCIS	0/0/1967	13	THURSTON				DG			T17N/R 1W-32	
G2-022664CL	CL[L]	WICKLUND, ROY M.	0/0/1961	13	THURSTON				DG			T17N/R 1W-32	
G2-022665CL	CL[L]	WICKLUND, ROY M.	0/0/1950	13	THURSTON				DG			T17N/R 1W-32	
G2-129560CL	CL[S]	ZOBRIST, MERRILL M		13	THURSTON				DG	ST IR		T17N/R 1W-32	
S2-*22540CWRIS .11553	CE	BAKER E E & L,	9/11/70	13	THURSTON	.010	1.00		DS		OFFUTT LAKE	T17N/R 1W-33	
S2-21376CWRIS	CE	BEITZ EDWIN W ETAL,	8/21/73	13	THURSTON	.020	.50		DS		OFFUTT LAKE	T17N/R 1W-33	NW/4
S2-21180CWRIS	CE	COBURN MAJORIE C,	6/19/73	13	THURSTON	.020	.50		DS		OFFUTT LAKE	T17N/R 1W-33	
G2-133025CL	CL[S]	EAST OLYMPIA FIRE DE		13	THURSTON				DG	IR		T17N/R 1W-33	
G2-033304CL	CL[L]	HILL, JACK J.	0/0/1972	13	THURSTON				DG		WELL	T17N/R 1W-33	
S2-*20289CWRIS .11125	CE	HYDE C H,	6/07/67	13	THURSTON	.050	10.00	5	IR		UNNAMED STREAM	T17N/R 1W-33	
G2-142974CL	CL[L]	HYDE, CLYDE H	0/0/1945	13	THURSTON				DG	IR	WELL	T17N/R 1W-33	
G2-*02767ALCWRIS .02352A	CE	JOHNSON M W,	10/17/52	13	THURSTON	350.000	70.00	35	IR		WELL	T17N/R 1W-33	
S2-*16218CWRIS .08097	CE	JUSTMAN FRANK ET UX,	7/27/60	13	THURSTON	.010			DS		OFFUTT LAKE	T17N/R 1W-33	
G2-014294CL	CL[L]	JUSTMAN, FRANKLIN W.	0/0/1961	13	THURSTON				DG			T17N/R 1W-33	
G2-115285CL	CL[L]	LAMB, DAVID C	0/0/1949	13	THURSTON				DG		WELL	T17N/R 1W-33	
G2-115286CL	CL[L]	LAMB, DAVID C	0/0/1967	13	THURSTON				DG		WELL	T17N/R 1W-33	
S2-*22517CWRIS .11498	CE	MCINTYRE A D & J I,	9/02/70	13	THURSTON	.010	1.00		DS		OFFUTT LAKE	T17N/R 1W-33	
G2-041427CL	CL[L]	SCHAEFFER, LISLE H.	0/0/1960	13	THURSTON				DG		WELL	T17N/R 1W-33	
S2-00163CWRIS	CE	THOMPSON MARTIN C,	6/11/71	13	THURSTON	.010	1.00		DS		OFFUTT LAKE	T17N/R 1W-33	

CONTROL NUMBER	TYPE/ STAT	BUSINESS/PERSON NAME	PRIORITY DATE	WRIA CODE	COUNTY NAME	Q _i	ACRE FT/YR	ACRES IRR	DOM UNITS	PURPOSES	SOURCE	TRS	QUAD
G2-23193CWRIS	CE	TOBINSKI FRANK,	9/23/74	13	THURSTON	50.000	4.00			DM·	WELL	T17N/R 1W-33	SE/4SE/4
G2-106325CL	CL[S]	WELL, RICHARD E		13	THURSTON					DG ST IR		T17N/R 1W-33	
S2-*07015CWRIS ·03380	CE	WELLS R E,	4/01/46	13	THURSTON	.120		17		IR·	DESCHUTES RIVER	T17N/R 1W-33	SW/4NE/4
G2-132936CL	CL[S]	WELLS, RICHARD E		13	THURSTON					DG ST IR		T17N/R 1W-33	
G2-*01995CWRIS ·02647	CE	WIARD D T,	6/06/51	13	THURSTON	80.000	22.00	11		IR·	WELL	T17N/R 1W-33	

Results: There were 15 well logs which matched your search criteria.
Sorted Field: The results are sorted by Well Owner Name.
Search Criteria Used: Township: 17, Range: 01W, Section(s): 32

-
8. Well Owner Name: GLEN LOGAN
Public Land Survey: SW, SE, S-32, T-17-N, R-01-W
Well Log ID: 32322, Well Tag: ACR683, Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 68.00 (feet), Well Completion Date:
-
9. Well Owner Name: ITOLF HAVEN
Public Land Survey: NW, NW, S-32, T-17-N, R-01-W
Well Log ID: 273019, Well Tag: , Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: (inches), Well Depth: (feet), Well Completion Date:
-
10. Well Owner Name: ITOLF HAVEN
Public Land Survey: NW, NW, S-32, T-17-N, R-01-W
Well Log ID: 273020, Well Tag: , Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: (inches), Well Depth: (feet), Well Completion Date:
-
11. Well Owner Name: KENNETH HEDDEN
Public Land Survey: SE, SW, S-32, T-17-N, R-01-W
Well Log ID: 26621, Well Tag: , Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 49.00 (feet), Well Completion Date:
-
12. Well Owner Name: LAURA PATTERSON
Public Land Survey: SW, SE, S-32, T-17-N, R-01-W
Well Log ID: 31191, Well Tag: ABF611, Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 68.00 (feet), Well Completion Date:
-
13. Well Owner Name: MABEL WHITNEY
Public Land Survey: , , S-32, T-17-N, R-01-W
Well Log ID: 27190, Well Tag: , Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 90.00 (feet), Well Completion Date:
-
14. Well Owner Name: PAUL DETRAY
Public Land Survey: SE, SE, S-32, T-17-N, R-01-W
Well Log ID: 273882, Well Tag: ABA227, Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 60.00 (feet), Well Completion Date:
-
15. Well Owner Name: VERONICA BURNS
Public Land Survey: SE, SE, S-32, T-17-N, R-01-W
Well Log ID: 30227, Well Tag: , Start Card:
County: THURSTON, Well Address: , Well Type: Water
Well Diameter: 6.00 (inches), Well Depth: 168.00 (feet), Well Completion Date:
-

Search Results - Derived from the Text Search Engine

To print or email the following results, use the buttons above.

11/7/01

Results: There were 15 well logs which matched your search criteria.

Sorted Field: The results are sorted by Well Owner Name.

Search Criteria Used: Township: 17, Range: 01W, Section(s): 32

-
1.

Well Owner Name: ALDEN ROBINSON

Public Land Survey: NW, NE, S-32, T-17-N, R-01-W

Well Log ID: 32527, Well Tag: ACY635, Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 59.00 (feet), Well Completion Date:
-
2.

Well Owner Name: BELL & JOLLY CONST. CO

Public Land Survey: SW, SE, S-32, T-17-N, R-01-W

Well Log ID: 273902, Well Tag: ABA257, Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 60.00 (feet), Well Completion Date:
-
3.

Well Owner Name: CECIL ISOM

Public Land Survey: , , S-32, T-17-N, R-01-W

Well Log ID: 22630, Well Tag: , Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 143.00 (feet), Well Completion Date:
-
4.

Well Owner Name: DELMER CONNET

Public Land Survey: SE, NW, S-32, T-17-N, R-01-W

Well Log ID: 23558, Well Tag: , Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 59.00 (feet), Well Completion Date:
-
5.

Well Owner Name: EASY DWELLING DEVELOPMENT CO.

Public Land Survey: SW, SE, S-32, T-17-N, R-01-W

Well Log ID: 24067, Well Tag: , Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 50.00 (feet), Well Completion Date:
-
6.

Well Owner Name: GLEN LOGAN

Public Land Survey: SW, SE, S-32, T-17-N, R-01-W

Well Log ID: 24869, Well Tag: , Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: (inches), Well Depth: (feet), Well Completion Date:
-
7.

Well Owner Name: GLEN LOGAN

Public Land Survey: SW, SE, S-32, T-17-N, R-01-W

Well Log ID: 24870, Well Tag: , Start Card:

County: THURSTON, Well Address: , Well Type: Water

Well Diameter: 6.00 (inches), Well Depth: 59.00 (feet), Well Completion Date:
-

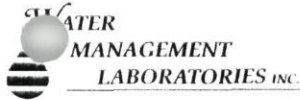
INORGANIC CHEMICALS (IOCS) REPORT

System ID No: N/A	System Name: Bronson Beach Club	
Lab/Sample No: 0895/154	Date Collected: 8-16-01	DOH Source No: N/A
Multiple Source Nos: N/A	Sample Type: B	Sample Purpose: C
Date Received: 8-16-01	Date Reported:	Supervisor: MPP
County: Thurston	Date Digested:	Group: A B Other New
Sample Location: Well head / AGN 140		
Send Report To: Arcadia Well Drilling 170 S.E. Walker Park Rd. Shelton, WA 98584		Bill To: AA00412

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS		Method / Analyst
EPA REGULATED							Trigger?	MCL?	
4	Arsenic	<0.01	mg/l	0.01	0.05	0.05	NO	NO	3113B MPP
5	Barium	<0.1	mg/l	0.1	2	2			3113B MPP
6	Cadmium	<0.002	mg/l	0.002	0.005	0.005			3113B MPP
7	Chromium	<0.01	mg/l	0.01	0.1	0.1			3113B MPP
11	Mercury	<0.0005	mg/l	0.0005	0.002	0.002			3112B MPP
12	Selenium	<0.005	mg/l	0.005	0.05	0.05			3113B MPP
110	Beryllium	<0.002	mg/l	0.003	0.004	0.004			3113B MPP
111	Nickel	<0.04	mg/l	0.04	0.1	0.1			3111B MPP
112	Antimony	<0.002	mg/l	0.005	0.006	0.006			3113B MPP
113	Thallium	<0.001	mg/l	0.002	0.002	0.002			3113B MPP
116	Cyanide	<0.05	mg/l	0.05	0.2	0.2			4500-CNF MPP
19	Flouride	0.3	mg/l	0.2	2	4			4110B MPP
114	Nitrite - N	<0.2	mg/l	0.5	0.5	1			4110B MPP
20	Nitrate - N	<0.2	mg/l	0.5	5	10			4110B MPP
161	Total Nitrate/Nitrite	<0.4	mg/l	0.5	5	10			4110B MPP
EPA REGULATED (Secondary)									
8	Iron	0.12	mg/l	0.1	0.3	0.3	NO	NO	3111B MPP
10	Manganese	0.049	mg/l	0.01	0.05	0.05			3111B MPP
13	Silver	<0.01	mg/l	0.01	0.1	0.1			3111B MPP
21	Chloride	426	mg/l	20	250	250	YES	YES	4110B LHL
22	Sulfate	12	mg/l	10	250	250	NO	NO	4110B MPP
24	Zinc	<0.05	mg/l	0.2	5	5	NO	NO	3111B MPP
STATE REGULATED									
14	Sodium	156	mg/l	5					3111B MPP
15	Hardness	219	mg/l	10					2340C MPP
16	Conductivity	1,140	umhos/cm	10	700	700	YES	YES	2510B LHL
17	Turbidity	0.2	NTU	0.1	1		NO		2130B LHL
18	Color	<5	color units	5	15	15	NO	NO	2120B LHL
26	Total Dissolved Solids	858	mg/l	150	500	500	YES	YES	2540C JMB
STATE UNREGULATED									
9	Lead	<0.002	mg/l	0.002					3113B MPP
23	Copper	<0.02	mg/l	0.2					3111B MPP

COMMENTS: FC28

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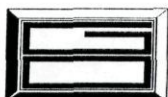
INORGANIC CHEMICALS (IOCS) REPORT

System ID No:	PENDING	System Name:	Bronson Beach Country Club		
Lab/Sample No:	08951132	Date Collected:	8-16-01	DOH Source No:	PENDING
Multiple Source Nos:	N/A	Sample Type:	B	Sample Purpose:	C
Date Received:	8-16-01	Date Reported:	8-22-01	Supervisor:	MP
County:	Thurston	Date Digested:	NA	Group:	(A) B Other
Sample Location:	Well head AGH 139				
Send Report To:	Arcadia Well Drilling		Bill To:	AA 004R	
	170 S.E. Walker Park Rd.				
	Shulton, WA 98584				

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS		Method / Analyst
EPA REGULATED							Trigger?	MCL?	
4	Arsenic	<0.01	mg/l	0.01	0.05	0.05	NO	NO	3113B AP
5	Barium	<0.1	mg/l	0.1	2	2			3113B AP
6	Cadmium	<0.002	mg/l	0.002	0.005	0.005			3113B AP
7	Chromium	<0.01	mg/l	0.01	0.1	0.1			3113B AP
11	Mercury	<0.0005	mg/l	0.0005	0.002	0.002			3112B AP
12	Selenium	<0.005	mg/l	0.005	0.05	0.05			3113B AP
110	Beryllium	<0.002	mg/l	0.003	0.004	0.004			3113B AP
111	Nickel	<0.04	mg/l	0.04	0.1	0.1			3111B AP
112	Antimony	<0.002	mg/l	0.005	0.006	0.006			3113B AP
113	Thallium	<0.001	mg/l	0.002	0.002	0.002			3113B AP
116	Cyanide	<0.05	mg/l	0.05	0.2	0.2			4500-CNF AP
19	Flouride	0.3	mg/l	0.2	2	4			4110B AP
114	Nitrite - N	<0.2	mg/l	0.5	0.5	1			4110B AP
20	Nitrate - N	<0.2	mg/l	0.5	5	10			4110B AP
161	Total Nitrate/Nitrite	<0.4	mg/l	0.5	5	10			4110B AP
EPA REGULATED (Secondary)									
8	Iron	0.09	mg/l	0.1	0.3	0.3	NO	NO	3111B AP
10	Manganese	0.02	mg/l	0.01	0.05	0.05			3111B AP
13	Silver	<0.01	mg/l	0.01	0.1	0.1			3111B AP
21	Chloride	431	mg/l	20	250	250	YES	YES	4110B LHL
22	Sulfate	13	mg/l	10	250	250	NO	NO	4110B AP
24	Zinc	<0.05	mg/l	0.2	5	5			3111B AP
STATE REGULATED									
14	Sodium	153	mg/l	5					3111B AP
15	Hardness	226	mg/l	10					2340C JWS
16	Conductivity	1,60	umhos/cm	10	700	700	YES	YES	2510B LHL
17	Turbidity	0.2	NTU	0.1	1		NO		2130B LHL
18	Color	<5	color units	5	15	15	NO	NO	2120B LHL
26	Total Dissolved Solids	837	mg/l	150	500	500	YES	YES	2540C JWS
STATE UNREGULATED									
9	Lead	<0.002	mg/l	0.002					3113B AP
23	Copper	<0.02	mg/l	0.2					3111B AP

COMMENTS: FC 28





GIBBS & OLSON, INC.
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2604 12TH COURT S.W., SUITE A, OLYMPIA, WA 98502-5715
PHONE (360) 352-1120 FAX (360) 352-1102

Memorandum

DATE: September 18, 2001
TO: DANNY HOWARD, BCBC
FROM: Mike Olden, P.E., Gibbs & Olson
RE: Project Issues
File: 999.1188.3000

This is in regard to various issues associated with overall water system compliance. Specifically, contact time, proposed project scope and project schedules.

We have reviewed the contact time issues with regard to revised demands and existing piping. After meeting with you to determine actual piping conditions and re-evaluating system demands based on the data in the Water System Plan (WSP), the minimum contact time available at Peak Hour Demand (PHD) is 4.0 minutes at lot 3. This minimum contact time is based on using 140 gpm (max pump flow) for the 300-feet of 4-inch pipe and 15 gpm for the 2-inch line to the one service at lot 3. In review of the piping and demands in other areas of the system, the minimum contact time for lots 5A and 6K (first services on other distribution lines) have 4.6 and 4.3 minutes respectively. At the minimum of 4 minutes, 1.5 mg/l of free chlorine residual is required to achieve the required CT (concentration x time) product of 6. This free chlorine residual should be met at all times at the outside tap at lot 3. Because of the infrequent use of this line, approximately 300 to 400 gallons of water should be discharged from the tap prior to taking residual measurements. At typically hose bib flow rates, this should take about 30 to 45 minutes. The low residual measurements identified in past samples is an indication that the actual contact time in this line is much longer than the predicted values.

We have reviewed the well data and have identified a new project scope. The attached spreadsheets are a summary of preliminary scope and cost estimates. In summary, the system will require installation of 2 well pumps, a 35,000 gallon tank, booster pumps and standby power. The use of the tank and booster system should alleviate the need for three phase power. Preliminary research shows that single phase pumps are capable of supplying the tank and providing system pressure. At the very least, we will use single phase power with variable frequency drives if the pumping requires three phase motors. We may also want to utilize variable frequency drives for the booster pumps to minimize pressure storage and pump house improvements. Issues such as these will be further evaluated in the design process.

The water quality data collected during pump tests indicates high levels of sodium and nitrate. These are not considered public health concerns, but may affect the system over the long term. You

C:/K2G&Oo\Update 2 Memo

should consult with DOH regarding their current and expected policies regarding these water quality constituents. I have included some general information on sodium and chloride in the attachments. My biggest concern is the potential for variability over time. If levels of sodium and chloride increase, the aesthetic water quality will decrease. Unfortunately, the only feasible way to determine the long term impacts is through pumping the well on a regular basis. Treatment is not a viable option at this time due to cost. For individual home owner aesthetic and hypertension related concerns, there are under the counter reverse osmosis units available.

We have also evaluated a rough schedule for implementing the proposed improvements. Upon receipt of adequate funding, we can provide the necessary design services and project management to start construction with 7 months. This timeline may be shortened if necessary, but represents a conservative estimate of normal project timing. Therefore if funding is secured within the next month or two, the project can likely be completed in the summer of 2002.

Good luck on your funding and compliance issues. If you have any questions, please call me at (360) 352-1120.



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

September 21, 2000

Jim Rioux
Department of Health
Southwest Drinking Water Operations
PO Box 47823
Olympia WA 98504-7823


Dear Mr. Rioux:

Hear are my comments on the Bronson Beach Club Water System Plan. Rather than comment section by section, I addressed what I thought were the most important issues and referenced the appropriate sections:

- **WATER RIGHT:** (Page IV-3) Water Right Claim #117944 appears to be a valid claim, stating first beneficial use of water in 1914 and pre-dating the state groundwater code by some 40 years. However, the validity and quantities of a claim can only be determined by superior court adjudication, which is not likely to occur anytime soon. It is highly doubtful that the annual quantity as claimed is 840 AFY (Page VIII-2). A water right is determined by the actual amount of water put to beneficial use and in reality their perfected water right is probably in the neighborhood of 50 AFY. My recommendation is to file an application for a Water Right Permit under WAC 173-152-050, which will give them priority processing as a public health and safety issue. A Water Right Permit/Certificate will ensure a more reliable and secure water right for the system.
- **CONSERVATION:** (Sections II and IV) The Average Daily Demand per connection of 600 gpd is high. DOE's rule-of-thumb is 450 gpd per connection which is still generous for an average home. In order to reach a reasonable ADD, I recommend a minimum 25% conservation goal. The maximum annual quantity given on the Water Right Permit will be based on proposed use at full buildout. A projected buildout of about 100 homes would generally be allowed 50 AFY or 0.5 AFY per connection.
- **GENERAL:** DOE encourages going to a deeper, confined aquifer for a better and more reliable source of supply. There will also be the added environmental benefit of a reduced and buffered impact to the surface waters in the Deschutes Basin.

If you have any questions please call or email me at (360) 407-6643, ploc461@ecy.wa.gov. Also, I would be glad to assist and advise in preparing the water right application. Thank you for the opportunity to comment.

Sincerely,


Pat Locke
DOE, Water Resources Program

PL:th

cc: Rich Hoey, WSDOH





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STATE OF WASHINGTON

DEPARTMENT OF HEALTH

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DEPARTMENT OF ECOLOGY
SW REGIONAL OFFICE

August 4, 2000

Pat Locke
Department of Ecology
SW Regional Office
300 Desmond Drive Avenue SE
Lacey, Washington 98504-7775

Dear Mr. Locke:

Subject Bronson Beach Club, ID #08640E, Thurston County; 2000 Water System Plan,
DOH Project #00-0801

Attached please find a copy of the Bronson Beach Club Water System Plan (WSP). Consistent with the memorandum of understanding between the Department of Health (Department) and the Department of Ecology (Ecology) regarding joint review and approval of water system plans and water right permits, this plan is being forwarded to your office for review and comment.

Comments should be focused on the Description of Water System (existing and future service area sections only), Basic Planning Data and Water Demand Forecasting (projected land use, future population and water demand sections only), System Analysis (water right evaluation sections only), Conservation Program, and Capitol Improvement Plan (water right improvements only). These chapters should include a review of existing and projected water use and demand projections in relation to water rights held by the system and identify proposed system improvements, which may require additional water rights. Comments on other chapters are welcome, but concurrence from Ecology on other chapters is not required.

Please provide written comments before October 5, 2000. If comments from Ecology indicate that the existing water use exceeds current water rights or that the Capitol Improvements Program proposes new source development which is not available, modifications to the water system plan specifically requested by Ecology will be required by the Department prior to final approval of the WSP. Any changes to the plan regarding water rights will be forwarded to your office for review.

The Department will not approve the WSP unless concurrence is received from Ecology on the chapters noted above. If no response is received by the comment deadline, the Department shall make a determination of acceptability for compliance based on information provided by the



Pat Locke
Page 2
August 4, 2000

water system. Please mail your comments to: Department of Health, Jim Rioux, Southwest Regional Planner, 2411 Pacific Avenue, PO Box 47823, Olympia. WA 98504-7823.

If you have any questions please contact Jim Rioux at (360) 664-3952. Thank you for your time and assistance.

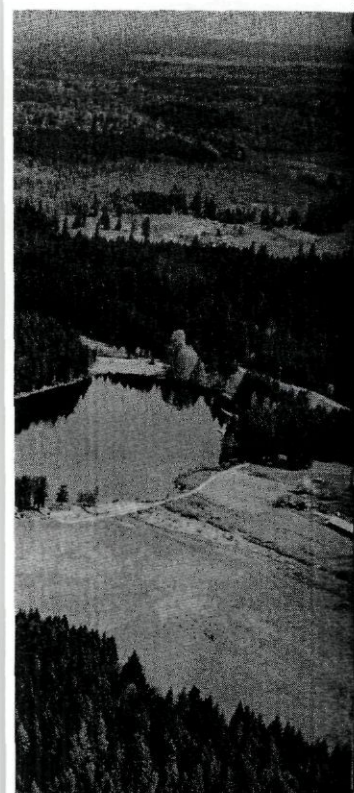
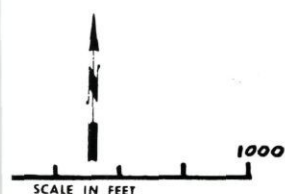
Sincerely,

A handwritten signature in dark ink, appearing to read "Jim Rioux", is written over the printed name and title.

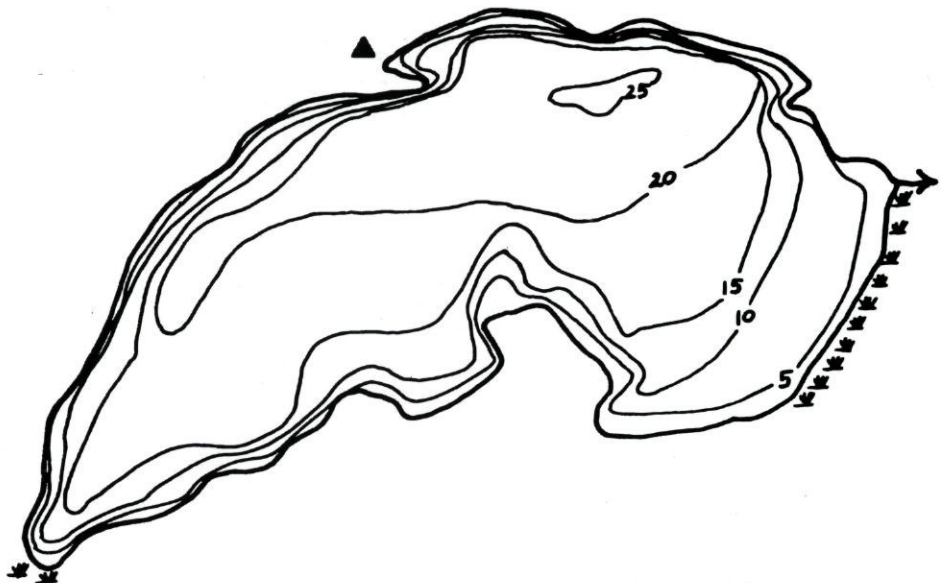
JIM RIOUX
WSDOH Regional Planner

Enclosure

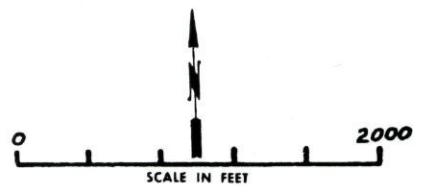
cc: Tim Morgon, Bronson Beach Club
Phil Brinker, Thurston County Health Department
Michael Olden, Gibbs & Olson, Inc.
Rich Hoey, WSDOH
Teresa Strange, WSDOH



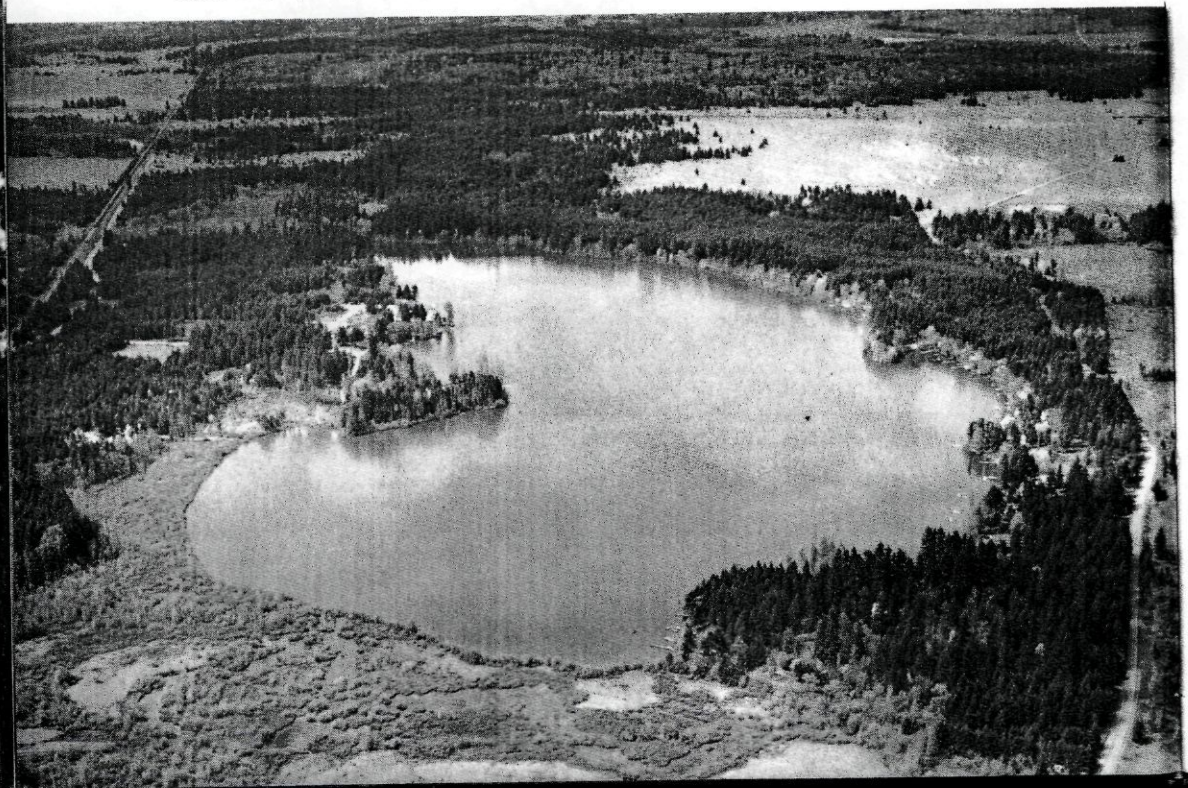
Section	Name	Elev. m.s.l.	Area Acres	Max. Depth Feet	Use	Reference
T 16 N—R 2 W						
3-NE $\frac{1}{4}$	DEEP LK (Drake Lk), (Deep Drake Lk)	198-s	66.1-c	17-s	R	Q39(R) 9 $\frac{1}{2}$ mi S fm Olympia, adj to Millersylvania State Park—dr NW'ly to Scott Lk, & via Beaver cr to Black Rv—RB
T 16 N—R 3 W						
5-P	BORDEAUX MILL POND	240-a	4.5-c	...	R	Q55-1 3 $\frac{1}{4}$ mi W fm Little Rock—in/out, Mill cr to Black Rv—SH pl '50—rep no longer exists
29-D	Unnamed Lk	100-a	3.0-c	...	R	Q55-1 1 $\frac{3}{4}$ mi N fm Rochester, adj to E side Black Rv
T 17 N—R 1 W						
14-R	Unnamed Lk	325-a	3.0-e	sh	R	Q39(R) 2 $\frac{1}{4}$ mi S fm Kellys Korner—dr W'ly to Spurgeon cr & Deschutes Rv—obs '51
18-Q	SHEEHAN LK	200-a	4.5-c	15-e	R	Q39(R) 1 mi SW fm East Olympia, & 2 mi SE fm Munn Lk—Deschutes Rv dr—B, CF
27-L	POST LK	400-a	0.5-c	sh	R	Q39(R) 2500' E fm Bushman Lk, in marshy area—Des- chutes Rv dr
28-K at dam	BUSHMAN LK (Post Lk), (Tempo Lk)	255-a	40.0-r	30-r	R	Q39(R) 9 mi SE fm Olympia, & 1 mi NE fm Offutt Lk— orig Bushman Lk (13 acres) raised by dam in out- let str—dr to Deschutes Rv—stg cap 400 a.f.—WR Per 244—built '60 & renamed Tempo Lk—CT, RB, SR
33-E at outlet	OFFUTT LK▲	236-s	192.0-c	25-s	R	Q39(R) 9 mi S fm Olympia—dr NE'ly to Deschutes Rv—RB
T 17 N—R 2 W						
1-L/P	MUNN LK	139-s	29.8-c	19-s	R	Q39(R) 4 mi S fm Olympia, & 1 $\frac{1}{4}$ mi S fm Ward Lk—dr to Deschutes Rv—SR
1-M	SUSAN LK	140-a	3.5-c	15-s	R	Q39(R) 700' W fm N end of Munn Lk—becomes part of Munn lk in h/w periods—Deschutes Rv w/shed —SR
4-A	TROSPER LK (Ferguson Lk), (Glenwood Lk)	150-a	17.0-c	12-e	R	Q39(R) 3 $\frac{1}{2}$ mi S fm Olympia—dr N'ly to Percival cr & Budd Inlet—CT, B, P, CF
11-A	Unnamed Lk	150-a	2.5-c	sh	R	Q39(R) 2100' W fm end of Munn Lk, adj to S side Gleason/ Johnson road—Deschutes Rv dr—WR Cert 5126
12-C/D	TRAILS END LK (Drewry Lk)	140-a	12.8-c	40+s	R	Q39(R) 4 mi S fm Olympia, & 600' S fm Munn Lk—old maps show this as Bush Lk—dr to Munn Lk & Deschutes Rv—priv lk—B, C, P
16-Ga	Unnamed Lk	195-e	1.5-e	6-e	R	Q39(R) 6 mi S fm Olympia, adj to W side new US 99— est Black Rv dr
21-Ba	Unnamed Lk	190-e	1.0-e	6-e	R	Q39(R) 7 mi S fm Olympia, adj to W side new US 99— est Salmon cr to Black Rv dr



OFFUTT LAKE — THURSTON COUNTY
 T 17 N — R 1 W — Sec 33 (at outlet)
 184.5 Surface Acres
 Surv. 24 May 1949—State Dept of Game
 Volume—2725 Acre Feet



OFFUTT LK—Thurston Co—T17N—R1W—Sec 33—Looking W'ly
 —Game Dept photo, 27 Apr '61.



Customer: Bronson Beach Country Club

Contact:

Project: AGH 139

Phone:

Home:

Fax:

E-mail:

Cell:

Date of Test:

Pump Test Data:

gallons per min. feet-10ths		
TIME	GPM	LEVEL
10 Sec.	50	16.5ft
20	50	19.7ft
30	50	23ft
40	50	25ft
50	50	26.4ft
60	50	27.8ft
70	50	29.8ft
80	50	31.4ft
90	50	32.7ft
100	50	34.3ft
110	50	35.6ft
2 Min.	50	36.6ft
2.5	50	40.5ft
3.0	50	43ft
3.5	50	45ft
4.0	50	46.9ft
4.5	50	48.7ft
5 Min.	50	50.2ft
6	50	52.9ft
7	50	55.1ft
8	50	57.6ft
9	50	58.4ft
10	50	60.1ft
11	100	68ft
12	100	81ft
13	100	85.8ft
14	100	84.2ft
15 Min.	100	97.3ft
20	80	113.7ft
25	80	129ft
30	72	142.6ft
35	72	136ft
40	75	138.7ft
45	75	141ft
50 Min.	75	139.6ft
60	75	141.3ft
70	75	143.1ft
80	75	145.2ft
90	75	142.6ft
100 Min.	75	142.7ft
130	75	147.4ft
160	75	146.5ft
190	75	146.5ft
210	75	146.5ft
240	75	146.5ft
270	75	146.5ft
5 Hrs.	75	146.5ft
6	75	146.5ft

gallons per min. feet-10ths

TIME	GPM	LEVEL
7	75	146.5ft
8	75	146.5ft
9	75	146.5ft
10	75	146.5ft
11	75	146.5ft
12	75	146.5ft
13	75	146.5ft
14	75	146.5ft
15	75	146.5ft
16	75	146.5ft
17	75	146.5ft
18	75	146.5ft
19	75	146.5ft
20	75	146.5ft
21	75	146.5ft
22	75	146.5ft
23	75	146.5ft
24	75	146.5ft
25	75	146.5ft
26	75	146.5ft
27	75	146.5ft
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48 Hrs.		
56		
64		
72		
80		
88		
96 Hrs.		

Recovery Data:

feet-10ths	
TIME	LEVEL
10 Sec.	146.5ft
20	143.9ft
30	141.2ft
40	138.4ft
50	134.9ft
60	131.2ft
70	129.4ft
80	128.8ft
90	127ft
100	125.89ft
110	123.29ft
2 Min.	122.59ft
2.5	119.29ft
3.0	118.79ft
3.5	117.69ft
4.0	116.19ft
4.5	114.69ft
5 Min.	112.39ft
6	109.5ft
7	107.9ft
8	106.5ft
9	105.4ft
10	104.3ft
11	103.3ft
12	102.4ft
13	101.1ft
14	100.3ft
15 Min.	99.6ft
20	96.2ft
25	93.5ft
30	91.3ft
35	89.9ft
40	88.6ft
45	86.29ft
50 Min.	83.8ft
60	81.3ft
70	78.4ft
80	72.7ft
90	65.8ft
100 Min.	59.3ft
130	39.8ft
160	21.4ft
190	13.7ft
210	
240	
270	
5 Hrs.	
6	

SWL: 13.7ft

Date:

Time:

Notes:

Customer: Bronson Beach Country Club

Phone:
Home:
Fax:
E-mail
Cell:

Contact:

Project: AGH 140

Date of Test:

Pump Test Data:

	gallons per min.	feet-10ths
TIME	GPM	LEVEL
10 Sec.	50	16.5ft
20	50	20.1ft
30	50	23.4ft
40	50	25.2ft
50	50	26.9ft
60	50	29.1ft
70	50	30.1ft
80	50	31.6ft
90	50	32.9ft
100	50	34.9ft
110	50	35.7ft
2 Min.	50	36.8ft
2.5	50	40.6ft
3.0	50	43.2ft
3.5	50	45.4ft
4.0	50	47.2ft
4.5	50	49.1ft
5 Min.	50	50.6ft
6	50	53.2ft
7	50	55.4ft
8	50	57.3ft
9	50	58.9ft
10	50	60.3ft
11	100	70.4ft
12	100	81.2ft
13	100	86.4ft
14	100	98.2ft
15 Min.	120	114.4ft
20	120	129.3ft
25	110	143.3ft
30	115	142.2ft
35	115	136.7ft
40	115	139.7ft
45	115	141.6ft
50 Min.	95	140.4ft
60	85	141.3ft
70	85	143.1ft
80	85	145.2ft
90	75	142.6ft
100 Min.	75	143.3ft
130	75	147.4ft
160	75	146.5ft
190	75	146.7ft
210	75	146.9ft
240	75	146.9ft
270	75	146.5ft
5 Hrs.	75	145.9ft
6	75	144.7ft

Recovery Data:

	feet-10ths
TIME	LEVEL
10 Sec.	147.8ft
20	145.2ft
30	141.5ft
40	138.7ft
50	135.2ft
60	131.5ft
70	129.2ft
80	128.6ft
90	126.8ft
100	124.9ft
110	122.3ft
2 Min.	121.7ft
2.5	118.4ft
3.0	117.9ft
3.5	116.8ft
4.0	115.3ft
4.5	113.8ft
5 Min.	112.3ft
6	110ft
7	108.1ft
8	106.6ft
9	105.2ft
10	104ft
11	102.9ft
12	102ft
13	101.1ft
14	100.3ft
15 Min.	99.6ft
20	96.4ft
25	93.8ft
30	91.8ft
35	89.8ft
40	88.4ft
45	87ft
50 Min.	84.8ft
60	82.3ft
70	80.6ft
80	74.2ft
90	68.1ft
100 Min.	61.9ft
130	43.5ft
160	24.9ft
190	16.5ft
210	
240	
270	
5 Hrs.	
6	

SWL: 16.5ft

Date:
Time:

Notes: _____



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

NOTICE OF APPLICATION TO APPROPRIATE PUBLIC WATERS

TAKE NOTICE:

That Bronson Country Beach Club of Tenino, Washington on November 6, 2000,
under Application No. G2-29958 filed for a permit to appropriate public waters, subject to
existing rights, from a well in the amount of ²⁵⁰~~150~~ gallons per minute as needed year round *PER DANNY HOWARD 12/6/00*
each year for community domestic supply. The source of the proposed appropriation is located
within the NW¼ SE¼ of Section 32, T. 17 N., R. 1 W.W.M., of Thurston County, Washington.

Protests of objections to approval of this application must include a detailed statement of the basis for objections;
protests must be accompanied by a two dollar (\$2.00) recording fee and filed with the Department of Ecology, at the
address shown below, within thirty (30) days from: _____ (Last date of publication to be
entered above by publisher)

NOTICE MUST BE PUBLISHED ONCE A WEEK FOR TWO CONSECUTIVE WEEKS

Department of Ecology, SWRO
PO Box 47775
Olympia, Washington 98504-7775



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

November 20, 2000

Bronson Country Beach Club
PO Box 416
Tenino WA 98589

Dear Sir or Madame:

Re: Water Right Application No. G2-29958

We have received your application for appropriation of water and it has been assigned the number referenced above. If you contact us in the future regarding this application, it will help us serve you more quickly if you refer to this application number.

Please complete the following two steps:

1. Enclosed is a notice of your application, which must be published once a week for two consecutive weeks in a newspaper published in **Thurston County**. The newspaper should have general circulation in the locality where the water is to be diverted and used, and must be qualified as a legal newspaper. Publishing the notice in a remote part of the county, when not necessary, may be cause for you to be required to republish the notice in a designated newspaper. The enclosed newspaper list may help you select an appropriate newspaper for the area.

Publication should start within 30 days from the date of this letter.

To assure accuracy, it is your responsibility to check the notice carefully before having it published. If you find an error, please contact this office for correction and/or resolution. If we later find an error in your public notice, you will be required to re-publish an amended notice at your expense.

2. After publication, the publishing newspaper should provide you with a notarized original Affidavit of Publication, which should be forwarded to our office as soon as possible. Please do not send a photocopy of the affidavit.

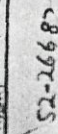
Community water systems are required to be approved by either the local health department or the Department of Health depending upon system size. If you have not already done so, we suggest that you contact either your local health department or the Department of Health, Southwest Drinking Water Operations, Thurston Airdustrial Center, Bldg 3, PO Box 47822, Olympia, Washington 98504-7822.

If you have any questions or concerns about any of this information, please call (360) 407-0240. Thank you for your attention to this matter.

Sincerely,

Sheri Carroll
Water Resources Program

SC:th(publicnotice.doc)





STATE OF WASHINGTON

DEPARTMENT OF HEALTH

SOUTHWEST DRINKING WATER OPERATIONS

2411 Pacific Ave. • P.O. Box 47823 • Olympia, Washington 98504-7823

(360) 664-0768 • FAX (360) 664-8058

TDD Relay Service: 1-800-833-6388

RECEIVED

NOV -6 AM 11:11

September 21, 2000

Mike Harris
Department of Ecology
Southwest Regional Office
PO Box 47775
Olympia, Washington 98504-7775

Dear Mike,

Subject: Bronson Beach Club Water System, ID #08740E, Thurston County; Public Health
Priority for Water Rights Processing

I would like to bring to your attention a drinking water situation, which the Department of Health (Department) believes poses an imminent threat to public health and meets the "Emergency Rule" qualifying criteria defined by WAC 173-152-040 (1) (a). Please consider this letter as the Department's certification that the situation described meets the qualifying criteria.

The Bronson Country Beach Club is a community of 72 largely full-time residences in south Thurston County on south shore of Offutt Lake. The community is served by a dug well, approximately 10-15 feet in depth and located adjacent to the lake. The Department believes this well to be under the influence of surface water and is posing an acute health risk to the residents of the community. The water supply has been plagued by fecal coliform bacteria contamination and is in need of a new source of water.

The community is interested in drilling a new well into a confined aquifer believed to be greater than 100 feet in depth. This well is to be drilled on the existing wellsite. The Department greatly supports the efforts to replace the existing well with a new protected source.

The Department is very interested in finding a solution that can resolve the existing public health risk at Bronson Country Beach Club. If it will aid in the process, Regional Engineer Rich Hoey will be available to attend any meetings you might wish to have with the community or their engineer regarding this issue.



Mike Harris
Page 2
September 21, 2000

We very much appreciate your immediate attention to this situation so that the public health threat can be resolved as soon as possible. I would also appreciate receiving either a written or a verbal response indicating if this situation qualifies for expediting decision making. Please do not hesitate to contact Rich Hoey (360) 586-2510 or me (360) 753-5953 if there are any questions.

Sincerely,

A handwritten signature in cursive script that reads "Bill Liechty".

BILL LIECHTY, P.E.
WSDOH Section Head

cc: Phil Brinker, Thurston County Environmental Health
Rich Hoey, P.E., WSDOH Regional Engineer
Danny Howard, Bronson Country Beach Club
Mike Olden, P.E., Gibbs & Olson, Inc.
Jim Rioux, WSDOH Regional Planner



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

P.O. Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

RECEIVED

SEP 22 2000

DOH S.W. DRINKING
WATER OPERATIONS

September 21, 2000


Jim Rioux
Department of Health
Southwest Drinking Water Operations
PO Box 47823
Olympia WA 98504-7823

Dear Mr. Rioux:

Hear are my comments on the Bronson Beach Club Water System Plan. Rather than comment section by section, I addressed what I thought were the most important issues and referenced the appropriate sections:

- WATER RIGHT: (Page IV-3) Water Right Claim #117944 appears to be a valid claim, stating first beneficial use of water in 1914 and pre-dating the state groundwater code by some 40 years. However, the validity and quantities of a claim can only be determined by superior court adjudication, which is not likely to occur anytime soon. It is highly doubtful that the annual quantity as claimed is 840 AFY (Page VIII-2). A water right is determined by the actual amount of water put to beneficial use and in reality their perfected water right is probably in the neighborhood of 50 AFY. My recommendation is to file an application for a Water Right Permit under WAC 173-152-050, which will give them priority processing as a public health and safety issue. A Water Right Permit/Certificate will ensure a more reliable and secure water right for the system.
- CONSERVATION: (Sections II and IV) The Average Daily Demand per connection of 600 gpd is high. DOE's rule-of-thumb is 450 gpd per connection which is still generous for an average home. In order to reach a reasonable ADD, I recommend a minimum 25% conservation goal. The maximum annual quantity given on the Water Right Permit will be based on proposed use at full buildout. A projected buildout of about 100 homes would generally be allowed 50 AFY or 0.5 AFY per connection.
- GENERAL: DOE encourages going to a deeper, confined aquifer for a better and more reliable source of supply. There will also be the added environmental benefit of a reduced and buffered impact to the surface waters in the Deschutes Basin.

If you have any questions please call or email me at (360) 407-6643, ploc461@ecy.wa.gov. Also, I would be glad to assist and advise in preparing the water right application. Thank you for the opportunity to comment.

Sincerely, 
Pat Locke
DOE, Water Resources Program

PL:th
cc: Rich Hoey, WSDOH



SCHEDULE A
LEGAL DESCRIPTION

In the County of Thurston, State of Washington, Lots 1, 2, 3, 9 and 10 in Block 3; Lots 4, 5, 6, and 7 in Block 2; Lots 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12 in Block 4; All of Blocks 5, 6, 11 and 12 and all of Block 13 EXCEPT Lot 7, Plat of Offut Lake, according to the Plat thereof recorded in Volume 8 of Plats, page 39, records of said county. Also that portion of government Lot 6, Section 32, Township 17 North, Range 1 West W.M. lying northerly of Lake Avenue easterly of a line, running northerly $9^{\circ} 3'$ west from a point on the north line of Lake Avenue as shown on the Plat of Offut Lake according to the Plat thereof recorded in Volume 8 of Plats, page 39, which point is $80^{\circ} 57'$ east 512 feet from the northwesterly corner of said plat of Offut Lake and west of a line running north $9^{\circ} 3'$ west from a point on said Lake Avenue which is north $80^{\circ} 57'$ east 970.86 feet from said northwesterly corner; TOGETHER with shorelands of the second class adjoining; also that portion of government Lot 6, Section 32, Township 17 North, Range 1 West W.M. lying north of the north line of the C.M., St. Paul and Pacific Railroad Company right-of-way, described as follows: Beginning at a point 165 feet east of the southwest corner of said government Lot 6; running thence east along the south line of said government Lot, 212.81 feet to the west line of Bryant Street; thence north $0^{\circ} 45'$ east along said westerly line to an intersection with the north line of Second Avenue, as platted in Offut Lake, according to the plat thereof recorded in Volume 8 of Plats, page 39, extended westerly; thence west to a point 185 feet east of the west line of said government Lot 6; thence north to the meander line of Offut Lake; thence southwesterly along said meander line to a point which is 165 feet east as measured at right angles from the west line of said government Lot 6, extended northerly; thence south parallel with said west line to the point of beginning; ALSO, that portion of government Lot 7, Section 32, Township 17 North, Range 1 West, W.M., lying north of the north line of the C.M., St. Paul and Pacific Railroad Company right-of-way, east of the east line of Collins Street as shown in the plat of Offut Lake, according to the plat thereof recorded in Volume 8 of Plats, page 39, and south of a line beginning at a point 66 feet east of the southeast corner of Block 5 of the said plat of Offut Lake; thence running east along the north line of Second Avenue, extended, to the east line of said government Lot 7; ALSO the following right-of-way when vacated from said plat of Offut Lake: First Avenue between Main and Case Street; Second Avenue between Main and Collins Street; Third Avenue between Main and Collins Street.

Receipt Number 01-009686

RECEIPT
Department of Ecology (4610)
PO Box 5128
Lacey, WA 98509-5128
(360) 407-7095

Current Document Number 461E2048CJ Date 11/08/2000 FM 17

Remitter Name BRONSON COUNTRY BEACH CLUB Receipt Name

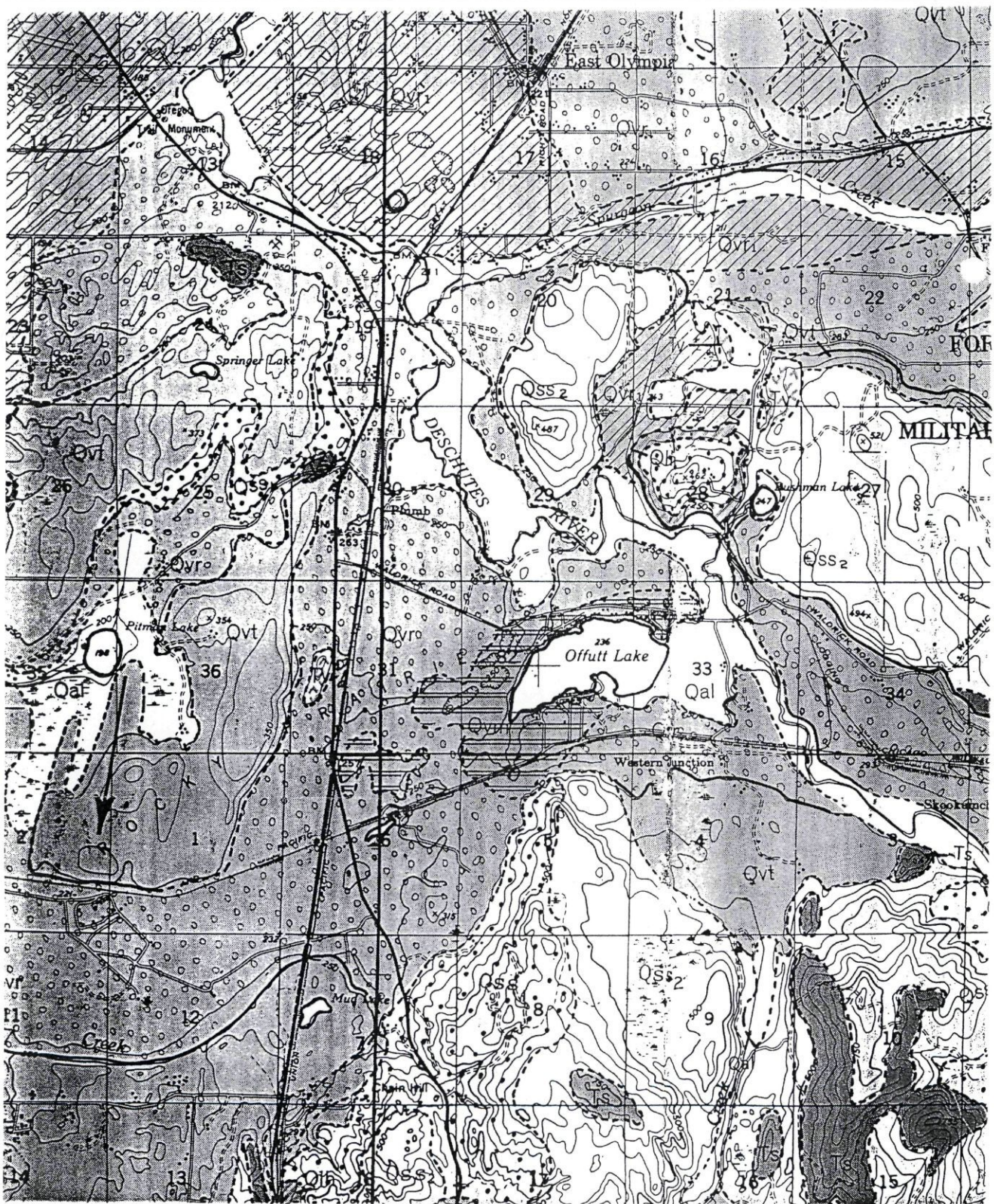
Check/Draw Number 2037
Document Amount \$10.00
Method of Payment Check
Comment Description WATER RIGHTS

Ref Doc	Ref Doc	Inv Nr	Id Nr	Prgm Cd	T C	R	Fund	Maj Grp	Maj Src	Sub Src	Cnty	Work Cls	PIC	AI	Org	Pj	Sub Pj	Pj Phs	Sub Obj	Sub Obj	Var GL	Sub Sid	Sub Cr	Alloc Amt
Nr	Sfx																							
																							\$10.00	

RECEIVED

NOV 08 2000

Washington State
Department of Ecology



Qvt = till (clay, sand & gravel)

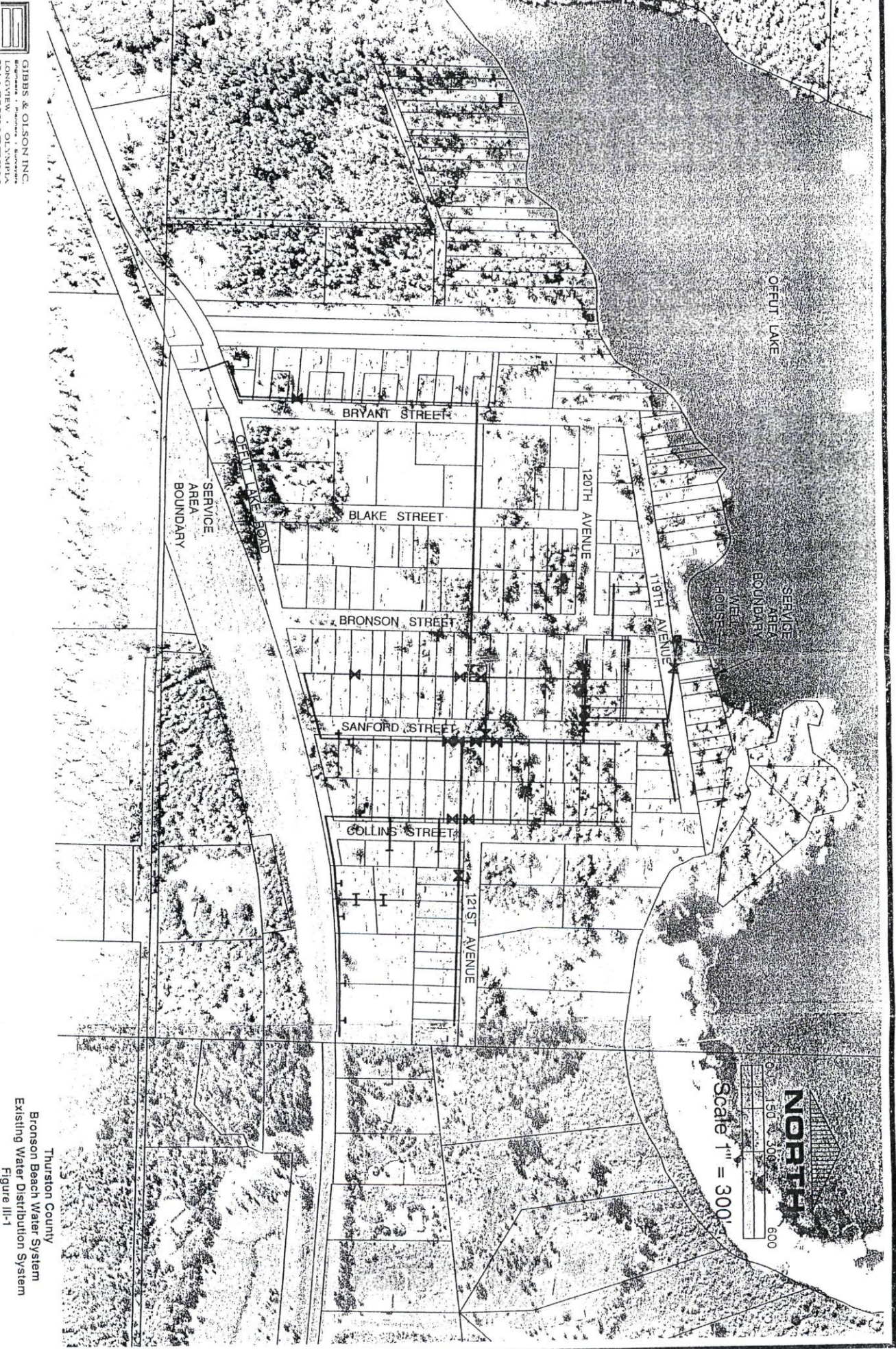
Qss = older glacial gravel

Qvr = younger glacial gravel

Qvme = younger glacial gravel (moraine)

Qal = recent sedimentary deposits

Ts = bedrock (sandstone or basalt)



WEEKENDER

Bronson's Resort once lured young, old alike to Offut Lake

By PAT CHRISTENSEN
Of The Chronicle Staff

Winthrop Lord (Win) Bronson combined his love for people and love of nature into a successful venture that lasted five decades and brought countless hours of pleasure to thousands of people of all ages.

In 1914 he purchased the townsite of Offut from the Corlett and Milwaukee railroads. The railroads wanted Win to start a resort for their excursion trains. The property was located five miles northeast of Tenino on Offut Lake, about halfway between Seattle and Portland.

Shortly thereafter, with the help of a carpenter by the name of "Gus", he built a cottage, boathouse and dance pavilion with lumber hauled from Centralia by a team of horses driven by Clarence Ives of Tenino. Property grading was done by Tom Richards, who later became mayor of Tenino from 1927 to 1958. Boats were

made on the beach from spruce lumber with tarred seams. On May 10, 1915, Win and his wife, Lola, opened Bronson's Offut Lake Resort.

Their son, Don Bronson, remembers growing up during the heyday of the resort. "Dad was a warm generous person," he said. "He had a tremendous feeling for the place. He cared about people."

"People came considerable distance by horse and wagon for weekend camping. They were wonderful family get-togethers," he said. "A guy might have a couple of drinks and buy the kids cones. It was good fun. Fishing was excellent. There was lots of family picnicing and swimming."

"We rented swimming suits. The cotton ones would cling. The women wore stockings and looked like drowned rats. Then we got wool suits and they were better."

Also, excursion trains came from Tacoma. People would arrive at four or five in the morning. From the train they would walk through the woods down a trail made of sawdust to the resort.

In addition to the picnic and swimming areas, the resort had the largest dance hall around. Dance music was provided by a six-piece local orchestra and later bands were hired by the month. Large name bands, touring the state from 1920 to 1930, would stop for one night stands.

"Fifty years doesn't seem like such a long time since the wonderful music of the 20s and 30s sounded out over the water of Offut Lake with such songs as 'Stardust,' 'Melancholy Baby' and 'Valencia,'" Don Bronson said.

"Some of the musicians rented cottages at the lake. They would

History

practice and work up novelty numbers, which were enjoyed by all," he said.

The dances were in the open 'jitney dances'. Jitney dances cost a nickel a ticket. You purchased a ticket for each dance. When a melody ended, the floor was cleared for the next dance and another partner. "It was really a good way to mix a crowd," he said. At one time Ed Mayes, who later became owner of the Dodge Company in Centralia from 1934 to 1962, was floor manager.

In 1930, the dance pavilion burned. Then the resort began catering to family and school picnics and fishing. About 50 schools participated in the picnics. "Although they were a little hard on the equipment, the boat and canoe rentals were great and enjoyed by all," Don Bronson said. "The kids were not hostile to management. Also, the teachers had better control over them. In later years the larger schools became destructive," he said.

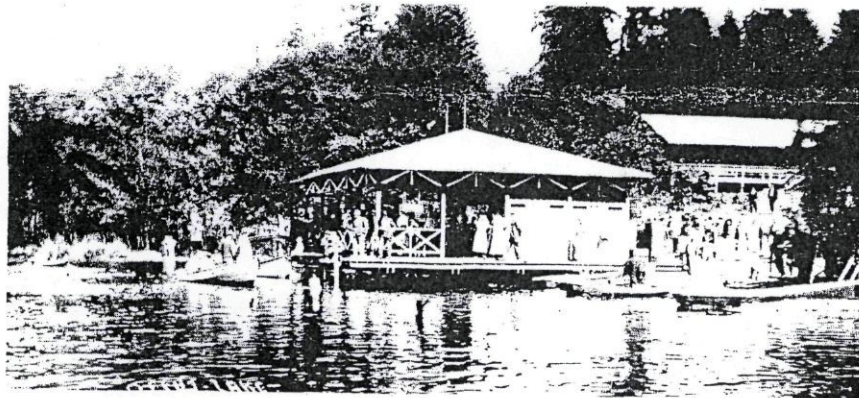
Later the boathouse building was refloored and people started dancing to music from the juke box. They danced to recordings by Glenn Miller, Artie Shaw and Guy Lombardo. A dance was held every Friday night for the teen-agers. "Frank Tamblin, one of the sheriffs during the 40s said he was glad because he always knew where all the kids were on Friday night," he said.

Teen-age dancing was discontinued and square dancing was started early in the 1950s. This business encouraged Don Bronson to build a trailer park in 1962.

W.L. (Win) Bronson lived until 1967 to the age of 91. "The resort was a family affair with everybody having to be on hand for busy weekends," said Don Bronson. He and his wife, Phyllis, carried on the family tradition until the resort was sold in 1969.

Then the property became a development area with lots for sale with access to the community beach and remaining buildings of the resort.

Win's wife, Lola, still lives in her home on the shores of Offut Lake with her son, Don, and his wife, Phyllis, and remembers when thousands of people spent many happy hours at Bronson's Offut Lake Resort.



IN 1916, WHEN THIS photo was taken, Bronson's resort on Offut Lake had been in operation for a year. The building in center was part of the resort and still stands today. At upper right in the resort's dance pavilion.



THESE WOMEN enjoy the swimming and boating offered by the Offut Lake resort. The photo was taken about 1917 or 1918.

Inside the Weekender

Canine copers	2
Television	3
Cooking	4
Old photograph	5
Postal hobby	6
Veteran writer	7

REAL

BUSINESS OF WASHINGTON

ATTRACTIVE SUMMER RESORT AT OFFUT LAKE WILL OPEN TO PUBLIC ON JUNE 1

NEW OFF

New Spot for Cottagers and Campers on Milwaukee's Grays Harbor Branch Will Have Fine Fishing, Boating and Bathing Facilities.

Tacoma and Southwest Washington will this year have a new summer resort at which to spend week-ends or entire vacation periods—a beautiful place being erected, so to speak, on the shores of Offut lake, 42 miles from this city on the Grays Harbor branch of the Milwaukee. Work was commenced January 1 by W. L. Bronson and T. H. McLafferty, of Tenino and the resort will be thrown open June 1 with a score of things ready for the resorter or camper.

The resort is being placed on 60 acres of land, or a waterfront on the lake one mile long—its full length—and three-fourths of a mile wide. Bronson and Lafferty bought 210 acres originally, but 50 of these are for the townsite of Offut Lake and 100 acres are being platted into five-acre tracts for sale. The Milwaukee is planning the erection of a rustic depot for the lake station.

Features of Resort.

Features of the new resort will include one of the largest outdoor dancing floors of high quality ever laid in the Northwest; 12 small one and two-room cottages; 12 tents, furnished or unfurnished, as desired; a large boat house and refreshment pavilion, containing also 18 dressing rooms for women bathers; a bath house for men containing 20 rooms; a large public park; plenty grounds, with concrete stoves and rustic seats, innumerable; children's playground, with swings and other devices.

The investment of the promoters represents \$20,000. For a site they chose the pretty little Offut lake, whose mirror-like surface reflects the image of Mount Tacoma and which teems with splendid trout and perch. There are now 20,000 trout in the lake and 30,000 more are to be planted in April. Five minutes' walk from the lake is the Deschutes river, one of the best streams in the Northwest for fly-casting and an

annual retreat of hundreds of fishermen.

In general the grounds surrounding the lake will be divided into roadways and paths banked by stones, with rustic seats in shady spots. The dancing floor will be 62 by 112 feet. At the boat house will be 30 new spruce boats, with simple-driven motors that can be attached to each or not, and a powerful launch for touring the lake. Along the shore will be a sandy slope of 30 or 40 feet for the bathers and three chutes into the water, one being very small for the children. A diving float will be placed 300 yards out in the water. Several fishing platforms are to be constructed on huge logs projecting into the lake.

Camping Sites Free

Camping sites and a wharf for boats will be given free to all who wish. Water is to be furnished from four excellent springs on the ground, and next year it is planned to run water pipes to each home.

Four cozy little cottages with stone fireplaces have been almost completed thus far, in addition to McLafferty's own tent-house. Those finished are for H. E. Stone of Tenino, R. C. Stanley of Centralia, W. E. Bronson of Olympia and O. T. Wedmark of Centralia. Contracts have been let for cottages for R. H. LaFollette of Chehalis, E. Larson of Tenino, S. Matson of Centralia and H. N. Lloscomb of Tenino.

The promoters of the resort have reserved a strip 600 by 1,200 feet on one side of the lake, where it is proposed to ask the Centralia and Chehalis Auto clubs to erect a clubhouse next year. Near by the lake, also, is an excellent location for a golf course.

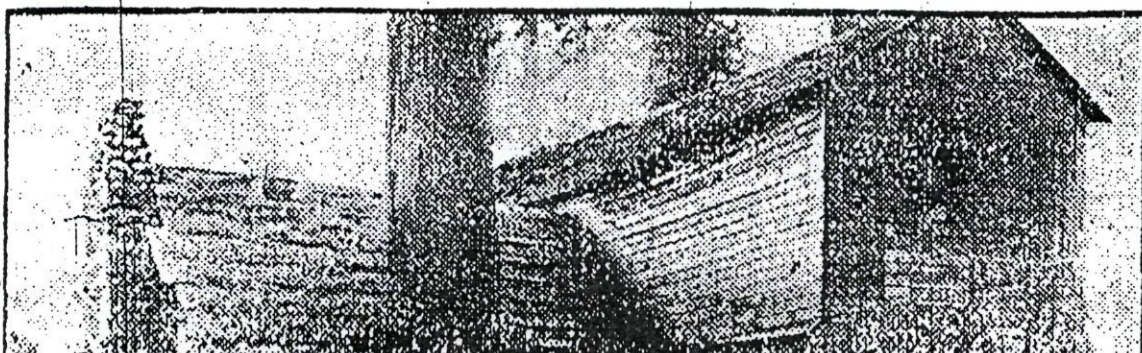
Because of the nearness of the lake resort to Tacoma and its trade territory, Bronson and McLafferty expect to draw a large travel this summer.



A view of the women's bathing house at Offut Lake. This resort is open to all residents. This resort is open to all residents. This resort is open to all residents.

RUSTIC S

IRON CELL DOORS FROM TERRITORIAL PENITENTIARY USED IN CRUMBLING LOG CABIN SOON TO BE RAZED



DEVELOPMENT

BUILDING AND CONSTRUCTION

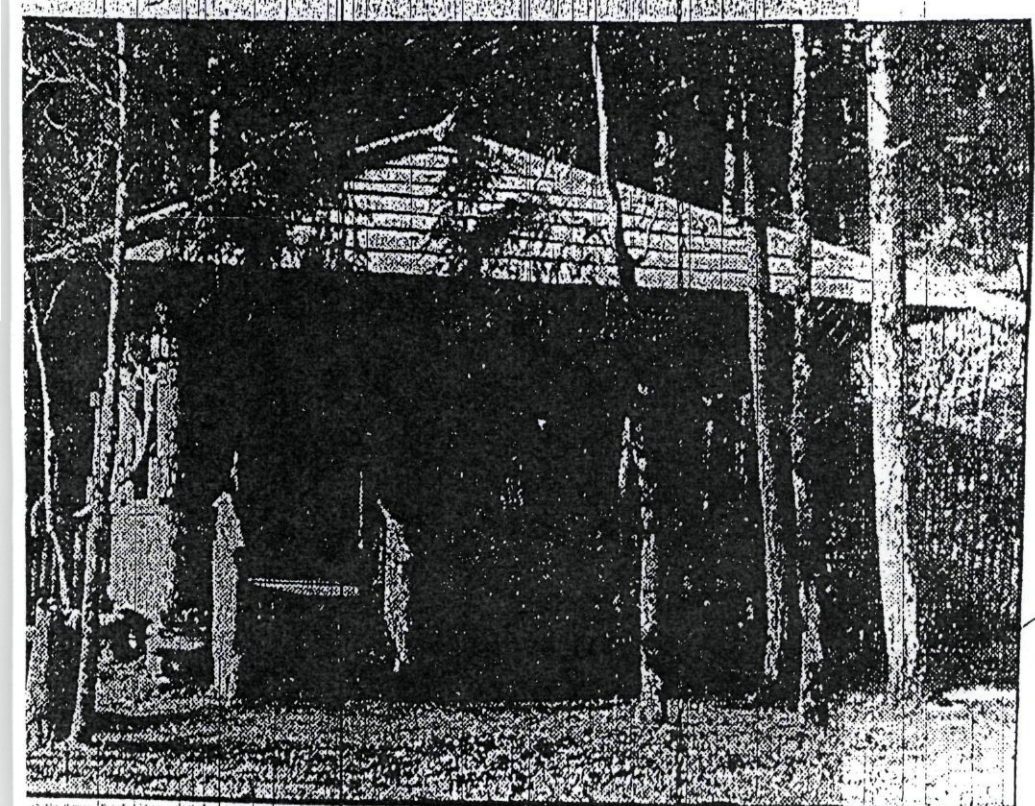
(EDITED BY R. F. MULVANE)

LAKE SUMMER RESORT ALONG WATER
FAMOUS FOR FISHING; WILL BID FOR TACOMA TRADE,



ing on at Offut lake on the big summer resort to be opened there June 1. The boat house and seen in the foreground, and to the left are four new cottages built by Southwest Washington g only 12 miles from Tacoma, will bid this year for Tacoma picnics as well as for the man spot in which to fish and rest.

ER HOME BUILT BY BUSINESS MAN FOR
PLEASURE HAS FEW EQUALS IN BEAUTY OF ITS TYPE



er home, on the who was e of the company. It is a k, and at build these rustic places. In fact, he probably wouldn't build another unless he had plenty of spare time and the inclination. But he has left nothing un- done in rustic work here. Aside from the little two-story home, there is a large dancing and outdoor dining room. house are formed of twisted boughs. A tiny stairway leads up to the "sheep pen," where stood numerous all-night guests have been crowded in for a few hours sleep after a late session on the dancing floor.

STONE AN
IN NA

Natural Ma
John Re
ing Will

From informat- ists to the Nati- may expect to 1 hotel to be erect new site, to be of the clouds a whose first stor whose second st rustic affect. It is not dec will have one Daniels, super in parks, is drawi have them here weeks, and eate at once. It is ever, that the fallen from the logs and stumps, there in abunda materials of re gone to Fayette parents and exp or more.

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First Unit of The new Re- be drawn with e ings on the plan definite locatio hotel as a cen- Martin, secret- mitted, who acti national park su- terior department Cal., recently, T first unit, therefo plete remodeling national park. every single st what size, will in the park and for it which th ere will have to tions will be allow This remodeling the interior daper beautifying all th and making them lic to visit, and first work of the Yosemite Nationa park buildings ar definite design a rangemnt similar main hotel as the tages; the public barber shop, etc placed by the ma the completed gro

TOILET

South America Is ing

WASHINGTON, Soap manufacture